



Oil Analysis Report

1. CUSTOMER DETAILS:

2. VEHICLE DETAILS:

3. SAMPLE STATUS:

Vehicle Rego. No.:
 Vehicle Make: Hyundai
 Vehicle Model: Kona Electric
 Vehicle Year:
 Compartment Name: Trans Axle
 System Capacity: 1.1 Ltrs

LEGEND

Severe

Caution

Normal



4. INTERPRETATION and RECOMMENDED ACTION:

Torque converter/pump wear indicated. Elevated silicon level indicates sealant material leaching/oil additive. Water content acceptable. Please check recorded viscosity against requirements. Action: Recommend checking all stall speeds and system pressures. Advise inspect filter/strainer for abnormal wear metal (if applicable). As oil already changed, resample at a reduced service interval to monitor and establish wear trend. Note: In the absence of OEM specifications, general severity limits have been applied. Oil type stated as, 70W75 GL4. Sample Information Form states, Concerned about possible excessive bearing gear wear.

5. SAMPLE and ANALYSIS DATA: (Please refer to the second page of this report for a description of the tests)

Current sample Last sample Previous sample Previous sample Previous sample Previous sample



SAMPLE NO; 707609785
 SAMPLE DATE 04-Jun-26
 RECEIVED DATE 19-Jun-26
 REPORTED DATE 6/30/2026
 MACHINE km 50400
 OIL km 50400
 OIL MAKE See
 Comments
 OIL GRADE -
 OIL ADDED Ltrs
 OIL CHANGED Changed
 FILTER km
 FILTER CHANGED Not Changed

ANALYSIS

Metals (ppm)

*Aluminium (Al) 81
 *Copper (Cu) 4
 *Chromium (Cr) 4
 *Iron (Fe) 234
 *Lead (Pb) <1
 *Tin (Sn) 2

Contaminants (ppm)

*Silicon (Si) 53
 *Sodium (Na) 10

Physical Tests

Viscosity (cSt,40°C) 25
 Water (% by crackle) <0.1
 PQ Index 19

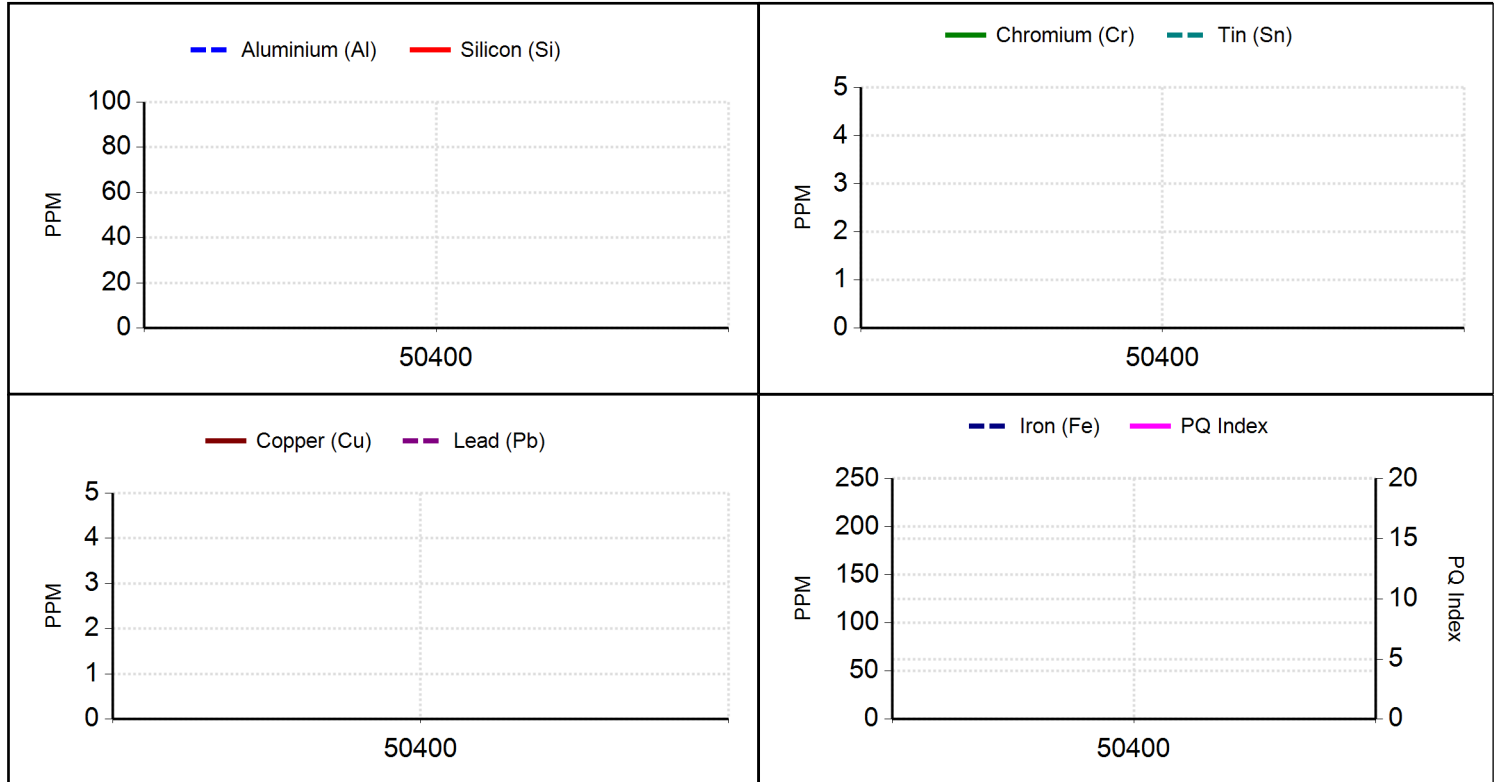
"This analysis report is dependent upon the accurate completion of the sample submission sheet and correct sample techniques as advised. The analysis is intended as an aid only in predicting mechanical wear and should not be regarded as a substitute for proper servicing or mechanical inspection. The company does not accept any liability whatsoever in respect of any loss or damage (including loss of profits, economic or other consequential loss or damage) however caused which may arise directly, or indirectly, as a result of the matters referred to in this analysis report."



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6. TREND GRAPHS:

UIN : 0C42C86



7. DESCRIPTION OF TESTS:

Maximum Acceptable Levels:

Elements and their Sources	Engine:		Transmission:		Differential:
	Petrol	Diesel	Manual	Automatic	
Aluminium - Pistons, bearings, bushings, torque converter, washers, gears, housings, pumps, dust	13 (18 OHC)	13	18	15	16
Chromium - Piston rings, bearings, shafts, geras, coolant additive	10	8	4	4	4
Copper - Bearings bushings, thrust washers, bronze gears, clutch packs, oil cooler	22	22	45	250	25
Iron - Cylinders/liners, crankshaft, valve train, piston pins, gears, bearings	100	90	150	75	400
Lead - Bearings, bushes, clutch pack, grease, oil additive, petrol additive	Trend	36	Trend	Trend	Trend
Silicon - Dust entry, oil anti-foaming additive, cooolant additive, seals and gaskets	20	20	50	20	50
Sodium - Coolant additive, oil detergent additive	50	50	Trend	Trend	Trend
Tin - Bearings, bushes, plating on pistons, alloy of bronze	8	8	20	20	20

**** Please note that all levels above are based on standard oil change intervals of 10,000 kms for Engines and 50,000 kms for Transmissions / Differentials. Results may be factored for extended kms on oil.**

Other Physical Tests					
PQ Index - This test measures the Total Iron in the sample irrespective of particle size	80	80	300	90	500
Water - Indicates water contamination due to the presence of coolant or a buildup of condensation	0.1	0.1	0.4	0.1	0.4
Soot - This test measures the percentage of fuel carbon contamination due to incomplete combustion	N/A	2.0	N/A	N/A	N/A
Fuel - Indicates petrol/diesel contamination due to leaking injectors, pump or carburettor	3.0	2.0	N/A	N/A	N/A
----- Analysis Result reported as "Pass" or "Fail" -----					
Viscosity - A measure of the oils resistance to flow at a given temperature	----- Refer to Oil Manufacturers Specifications-----				