MOBILE EQUIPMENT

[redacted]
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PROBLEM SEVERITY

NORMAL



Vehicle	: [redacted]	Code	: [redacted]
Alt. ID	: - -	Job No.	: -
Model	: TOYOTA HINO	Site	: [redacted]
Component	: ENGINE	Oil	: CALTEX 15W40
Model	: TOYOTA	Fuel Type	:

DIAGNOSIS

1.) Sample Number [redacted] on 01.04.2024 smr 323881 KM
Both the unit and oil conditions are satisfactory. Wear metals are within acceptable range and tests showed no abnormal lubricant contamination or degradation.

PREVIOUS HISTORY

DIAGNOSES

FEEDBACK

Vehicle: [redacted] - ENGINE - Alt. ID: - -

	SAMPLE NUMBER	DATE SAMPLED	LAB DATE	OIL CONSUMPTION	SMR	UNITS	OIL IN SERVICE	FILTER CHANGE	OIL DRAIN	RRI
1	[redacted]	01.04.24	11.04.24	-	323881	KM	20000	Yes	Yes	10000

WEAR METALS

Sample	Iron	Chromium	Nickel	Aluminium	Copper	Tin	Silver	Lead	Bismuth	PQ Index
1	44	0	0	4	2	1	0	4	1	6

30 spectrometric analyses are carried out on all samples but only relevant results are reported in parts per million.

FUEL

No graph drawn as all fuel results less than 1.0%

CONTAMINANTS

Sample	Silicon	Sodium	Soot Value	Soot %	Oxidation	Sulphate	Nitrates	Fuel (%)	Water (%)
1	6	3	1	0.0	15	20	7	<1	ND

30 spectrometric analyses are carried out on all samples but only relevant results are reported in parts per million.

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ADDITIVES & LUBRICANT CONDITION

Sample	Magnesium	Calcium	Molybdenum	Zinc	Phosphorous	Boron	Sulphur	TBN by FTIR
1	963	1156	62	1168	1068	16	2744	7.0

30 spectrometric analyses are carried out on all samples but only relevant results are reported in parts per million.

VISCOSITY

Too few values to plot Viscosity in cSt @ 40 C

Viscosity in cSt @ 40 C	Viscosity in cSt @ 100 C	Viscosity Index
96.3	13.0	132

GRAPHICAL REPRESENTATION OF KEY DATA

Too few values to plot Oil in Service

Too few values to plot Iron

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Requested by report