WEAR CHECK®
Condition Monitoring Specialists

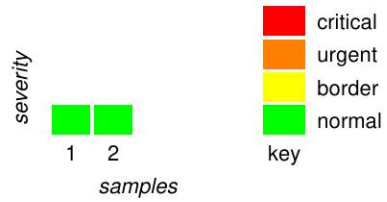
MOBILE EQUIPMENT

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PROBLEM SEVERITY

NORMAL



[redacted]
P O Box [redacted]

Vehicle	: [redacted]	Code	: [redacted]
Alt. ID	: - -	Job No.	: -
Model	: -	Site	: [redacted]
Component	: ENGINE	Oil	: CALTEX DELO GOLD 15W40
Model	: TOYOTA-HINO 611	Fuel Type	:

DIAGNOSIS

2.) Sample Number [redacted] on 20.10.2025 smr 31831 KM
Wear rates are normal and the sample provided appears free from unacceptable contamination or degradation.

PREVIOUS HISTORY

DIAGNOSES

1.) Sample Number [redacted] on 04.06.2025 smr - KM
Both the unit and oil conditions are satisfactory. Wear metals are within acceptable range and tests showed no abnormal lubricant contamination or degradation.

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]	04.06.25	06.06.25	-	-	KM	21375	No	No	10000
2	[redacted]	20.10.25	06.11.25	-	31831	KM	31831	Yes	Yes	10000

WEAR METALS

Sample	Iron	Chromium	Nickel	Aluminium	Copper	Tin	Silver	Lead	Bismuth	PQ Index
1	27	0	0	4	1	1	0	4	0	8
2	43	0	0	5	2	1	0	7	0	9

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

FUEL

Too few values to plot Fuel (%)

CONTAMINANTS

Sample	Silicon	Sodium	Manganese	Soot Value	Soot %	Oxidation	Sulphate	Nitrates	Fuel (%)	Water (%)
1	7	2	0	2	0.0	12	20	7	ND	ND
2	11	1	1	23	0.4	11	20	7	ND	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	174	3043	46	1103	980	391	3360	7.6
2	185	3388	50	1185	1032	391	3118	6.9

VISCOSITY

Too few values to plot Viscosity in cSt @ 40 C

Viscosity in cSt @ 40 C	Viscosity in cSt @ 100 C	Viscosity Index
98.3	13.5	137
102.8	13.4	129

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

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