

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 045906-1484 - Diesel Engine

Sample No: LH0269694

Oil Type: PETRO CANADA 10W40



Sample Information

Sample Number	LH0269694	LH0287993	LH0241998	LH0250550
Sample Date	03 Jun 2024	26 Mar 2024	23 Nov 2023	12 Sep 2023
Machine Hours	13142	15268	14615	14240
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ECOWASTE INDUSTRIES LTD.
 15111 WILLIAMS ROAD
 RICHMOND, BC
 CA V6W 1G9
 Contact: Service Manager



Oil Condition

Visc @ 100°C	cSt	14.2	13.7	13.8	13.7
Oxidation (PA)	%	55	59	58	57

T: (604)277-1410
 F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	47	56	48	49
Sulfation (PA)	%	50	50	50	50
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	4	5	7
Sodium	ppm	<1	<1	1	1
Potassium	ppm	0	<1	0	2

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	2	2	2	2
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	57	56	58	56
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	1052	1035	1050	1096
Magnesium	ppm	961	960	963	947
Zinc	ppm	1166	1144	1205	1190
Phosphorus	ppm	995	978	1014	1070
Barium	ppm	0	0	<1	0
Boron	ppm	<1	<1	1	2

Depot: ECORIC
 Unique No: 5798876
 Signed: Wes Davis
 Report Date: 12 Jun 2024



Graphs

