

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR PR736XL 019279-1155 - Diesel Engine

Sample No: LH0290493

Oil Type: PETRO CANADA DURON UHP E6 10W40



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

T: (604)277-1410  
 F:



#### Sample Information

Sample Number	LH0290493	LH0287988	LH0241996	---
Sample Date	14 Jul 2024	20 Mar 2024	23 Nov 2023	---
Machine Hours	5499	5050	4604	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



#### Oil Condition

Visc @ 100°C	cSt	13.5	13.3	12.6	---
Oxidation (PA)	%	62	63	68	---



#### Contamination

Water	%	NEG	NEG	NEG	---
Soot %	%	0	0	0	---
Nitration (PA)	%	68	68	77	---
Sulfation (PA)	%	50	51	55	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	8	7	8	---
Sodium	ppm	1	1	2	---
Potassium	ppm	0	0	0	---

#### 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	6	6	7	---
Copper	ppm	3	1	2	---
Lead	ppm	<1	0	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	1	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	57	57	59	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	<1	0	0	---
Vanadium	ppm	0	0	0	---



#### Additives

Calcium	ppm	1040	1063	1104	---
Magnesium	ppm	961	940	948	---
Zinc	ppm	1184	1177	1201	---
Phosphorus	ppm	1034	982	979	---
Barium	ppm	0	0	<1	---
Boron	ppm	<1	<1	1	---

Depot: ECORIC  
 Unique No: 5814113  
 Signed: Wes Davis  
 Report Date: 18 Jul 2024



### Graphs

