

OIL ANALYSIS REPORT

Sample Rating Trend





Scoop 6 Yard **LHD6102** Component

Diesel Engine

PETRO CANADA DURON HP 15W40 (18 LTR)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

The condition of the oil is acceptable for the time in service.

N	IO LIK)		Apr2021	May2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PC0066830	PC0046613	
Sample Date		Client Info		11 May 2023	27 Apr 2021	
Machine Age	hrs	Client Info		2662	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINA	ΓΙΟΝ	method	limit/base	current	history 1	history 2
Fuel		WC Method	>5	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METAI	_S	method	limit/base	current	history 1	history
Iron	ppm	ASTM D5185(m)	>100	52	37	
Chromium	ppm	ASTM D5185(m)	>20	2	2	
Nickel	ppm	ASTM D5185(m)	>4	0	<1	
Titanium	ppm	ASTM D5185(m)		<1	<1	
Silver	ppm	ASTM D5185(m)	>3	<1	<1	
Aluminum	ppm	ASTM D5185(m)	>20	2	3	
Lead	ppm	ASTM D5185(m)	>40	<1	4	
Copper	ppm	ASTM D5185(m)	>330	4	3	
Tin	ppm	ASTM D5185(m)	>15	<1	<1	
Antimony	ppm	ASTM D5185(m)		0	<1	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history 1	history
Boron	ppm	ASTM D5185(m)	0	1	5	
Barium	ppm	ASTM D5185(m)	0	0	<1	
Molybdenum	ppm	ASTM D5185(m)	60	65	61	
Manganese	ppm	ASTM D5185(m)	0	<1	<1	
Magnesium	ppm	ASTM D5185(m)	1010	1084	1028	
Calcium	ppm	ASTM D5185(m)	1070	1149	1349	
Phosphorus	ppm	ASTM D5185(m)	1150	1095	1091	
Zinc	ppm	ASTM D5185(m)	1270	1283	1418	
Sulfur	ppm	ASTM D5185(m)	2060	2460	2767	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINA	NTS	method	limit/base	current	history 1	history
Silicon	ppm	ASTM D5185(m)	>25	5	8	
Sodium	ppm	ASTM D5185(m)		3	5	
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	
INFRA-RED		method	limit/base	current	history 1	history
Soot %	%	ASTM D7844*	>3	0.7	0.6	
Nitration	Abs/cm	ASTM D7624*	>20	12.2	12.1	
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.9	25.9	
FLUID DEGRA	DATION	method	limit/base	current	history 1	history
Oxidation	Abs/.1mm	ASTM D7414*	>25	23.1	23.7	



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : 02567704

: PC0066830

Received

Diagnosed Diagnostician : Wes Davis : 5604750

: 04 Jul 2023

: 04 Jul 2023

Test Package : MOB 1 (Additional Tests: KV40, VI) To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

Lakeshore Gold Timmins West

Timmins, ON CA

Contact: Adam Koscielak adam.koscielak@HFSinclair.com

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