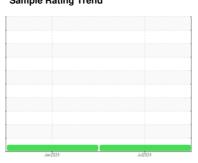


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 523046

Component
Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- (

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

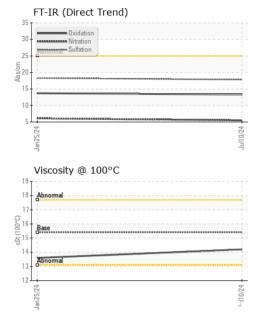
Fluid Condition

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

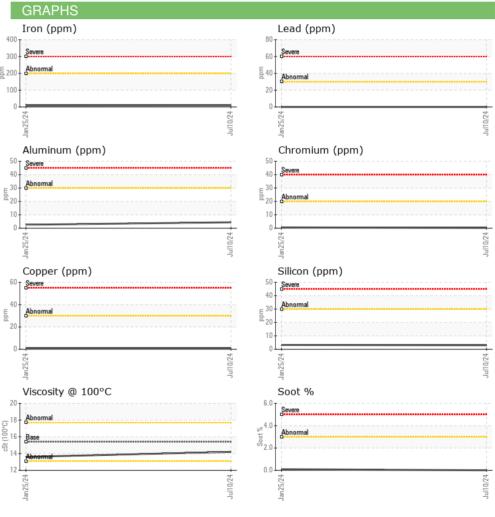
iAL)			Jan 2024	Jul2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0124674	GFL0102730	
Sample Date		Client Info		10 Jul 2024	25 Jan 2024	
Machine Age	hrs	Client Info		20176	20075	
Oil Age	hrs	Client Info		600	0	
Oil Changed		Client Info		Changed	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
-uel		WC Method	>3.0	<1.0	<1.0	
Nater		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>200	10	9	
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	
Γitanium	ppm	ASTM D5185(m)	>2	0	0	
Silver	ppm	ASTM D5185(m)	>2	<1	0	
Aluminum	ppm	ASTM D5185(m)	>30	4	3	
_ead	ppm	ASTM D5185(m)	>30	0	0	
Copper	ppm	ASTM D5185(m)	>30	<1	<1	
Γin	ppm	ASTM D5185(m)	>15	0	0	
Antimony	ppm	ASTM D5185(m)		<1	0	
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	history1	history2
Boron	ppm	ASTM D5185(m)	0	4	2	
Barium	ppm	ASTM D5185(m)	0	0	0	
Molybdenum	ppm	ASTM D5185(m)	60	59	56	
Manganese	ppm	ASTM D5185(m)	0	<1	0	
Magnesium	ppm	ASTM D5185(m)	1010	955	953	
Calcium	ppm	ASTM D5185(m)	1070	1051	1078	
Phosphorus	ppm	ASTM D5185(m)	1150	1004	1027	
Zinc	ppm	ASTM D5185(m)	1270	1205	1210	
Sulfur	ppm	ASTM D5185(m)	2060	2688	2766	
_ithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	3	3	
Sodium	ppm	ASTM D5185(m)		2	2	
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	0.1	
Nitration	Abs/cm	ASTM D7624*	>20	5.5	6.1	
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.8	18.3	



OIL ANALYSIS REPORT









CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Lab Number : 02647517 Unique Number : 5813069

: GFL0124674

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 12 Jul 2024

Tested : 12 Jul 2024 Diagnosed

: 12 Jul 2024 - Wes Davis

GFL Environmental - 207 - Pickering SW 1034 TOY AVENUE, PICKERING YARD PICKERING, ON CA L1W 3P1

Contact: Ian Patton ipatton@gflenv.com T: (905)831-6297

F: (905)426-3577

Test Package : MOB 1 (Additional Tests: Visual) 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.