

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

WESTERN STAR 424079

Component **Diesel Engine**

PETRO CANADA DURON HP 15W40 (--- G

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

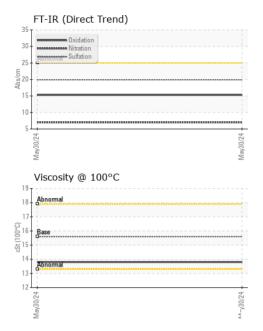
Fluid Condition

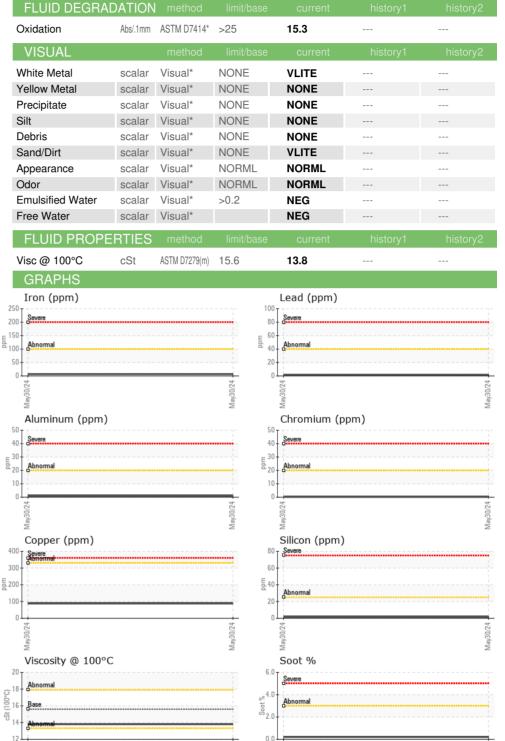
The condition of the oil is acceptable for the time in service.

L)				May2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0122264		
Sample Date		Client Info		30 May 2024		
Machine Age	hrs	Client Info		15483		
Oil Age	hrs	Client Info		457		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
uel		WC Method	>5	<1.0		
Vater		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>100	7		
Chromium	ppm	ASTM D5185(m)	>20	<1		
lickel	ppm	ASTM D5185(m)	>4	0		
itanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>3	0		
luminum	ppm	ASTM D5185(m)	>20	1		
ead	ppm	ASTM D5185(m)	>40	2		
Copper	ppm	ASTM D5185(m)	>330	88		
in	ppm	ASTM D5185(m)	>15	0		
intimony	ppm	ASTM D5185(m)		0		
anadium	ppm	ASTM D5185(m)		0		
eryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	2		
Barium	ppm	ASTM D5185(m)	0	0		
Nolybdenum	ppm	ASTM D5185(m)	60	62		
Manganese	ppm	ASTM D5185(m)	0	0		
/lagnesium	ppm	ASTM D5185(m)	1010	1003		
alcium	ppm	ASTM D5185(m)	1070	1096		
hosphorus	ppm	ASTM D5185(m)	1150	1012		
linc	ppm	ASTM D5185(m)	1270	1207		
Bulfur	ppm	ASTM D5185(m)	2060	2463		
ithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	2		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.2		
Nitration	Abs/cm	ASTM D7624*	>20	7.0		
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.9		



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: GFL0122264 Lab Number : 02640175 Unique Number : 5789337

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 987 - Charlottetown Received : 06 Jun 2024

Tested : 06 Jun 2024 Diagnosed

: 06 Jun 2024 - Wes Davis

Charlottetown, PE CA C1A 7N5 Contact: Vicki Metcalfe vmetcalfe@gflenv.com T: (782)377-5918

7 Superior Crescent

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.

Test Package : MOB 1 (Additional Tests: Visual)

Contact/Location: Vicki Metcalfe - GFL987

F: (506)453-9490