

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
721071
Component
Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Piston, ring and cylinder wear is indicated.

Contamination

There is no indication of any contamination in the

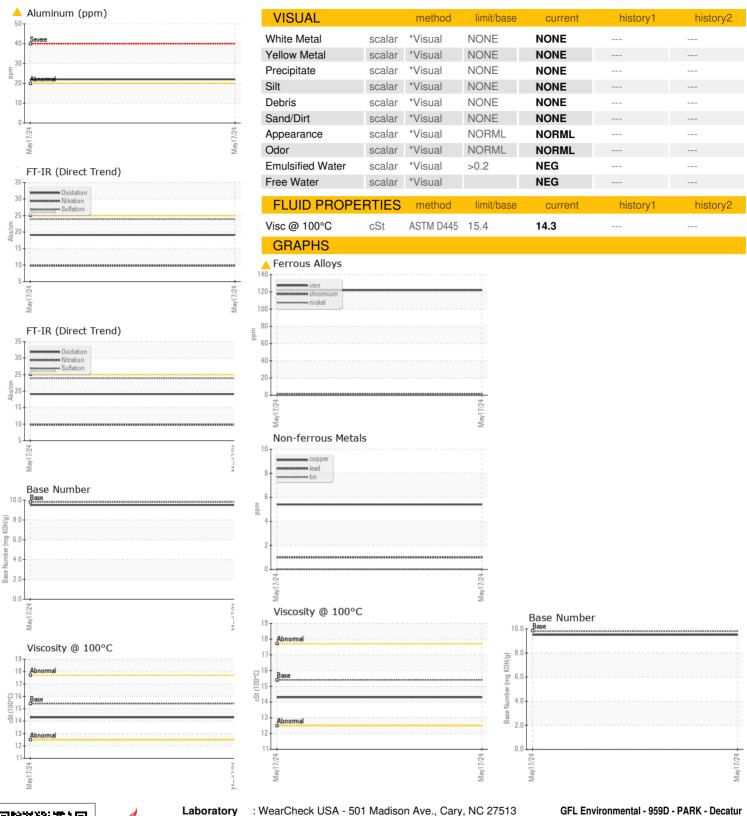
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

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AL)		,		May2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0111918		
Sample Date		Client Info		17 May 2024		
Machine Age	mls	Client Info		192180		
Oil Age	mls	Client Info		0		
Oil Changed	0	Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>2.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method	70.2	NEG		
_	_			NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	<u> </u>		
Chromium	ppm	ASTM D5185m	>20	2		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	<u>^</u> 22		
Lead	ppm	ASTM D5185m	>40	1		
Copper	ppm	ASTM D5185m	>330	5		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	75		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	1239		
Calcium	ppm	ASTM D5185m	1070	1496		
Phosphorus	ppm	ASTM D5185m	1150	1343		
Zinc	ppm	ASTM D5185m		1537		
Sulfur	ppm	ASTM D5185m		3819		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10		
Sodium	ppm	ASTM D5185m		34		
Potassium	ppm	ASTM D5185m	>20	13		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1		
Nitration	Abs/cm	*ASTM D7624	>20	9.8		
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.9		
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.1		
Base Number (BN)				9.5		
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OIL ANALYSIS REPORT





Certificate 12367

Sample No.

: GFL0111918 Lab Number : 06197238

Unique Number : 11059361 Test Package : FLEET

Received : 03 Jun 2024

Tested : 03 Jun 2024 Diagnosed : 04 Jun 2024 - Sean Felton

Decatur, IL US 62526 Contact: Larry Siegmann lsiegmann@gflenv.com

1788 E Hubbard

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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