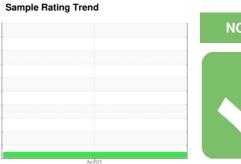


OIL ANALYSIS REPORT









Machine Id 724031 Component

Diesel Engine PETRO CANADA 15W

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

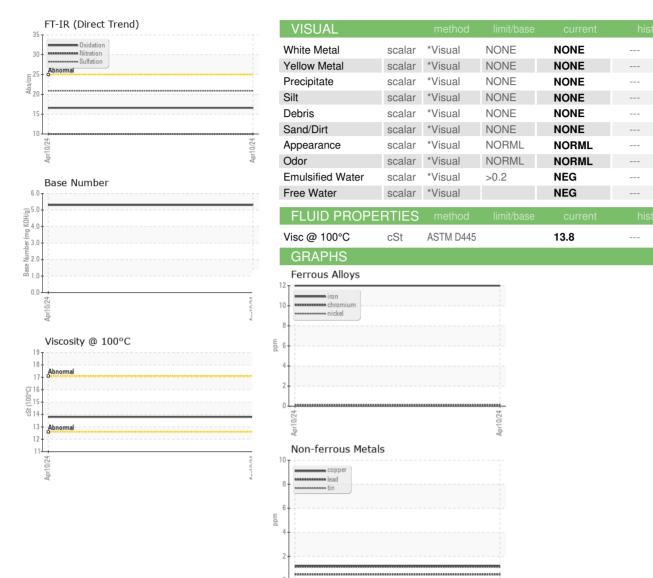
Fluid Condition

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

/40 (GAL)				Apr2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0111255		
Sample Date		Client Info		10 Apr 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		600		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	12		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m	>2	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>20	4		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	1		
Tin	ppm	ASTM D5185m	>15	1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		56		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		929		
Calcium	ppm	ASTM D5185m		1140		
Phosphorus	ppm	ASTM D5185m		918		
Zinc	ppm	ASTM D5185m		1161		
Sulfur	ppm	ASTM D5185m		3114		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.4		
Nitration	Abs/cm	*ASTM D7624	>20	10.0		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.9		
FLUID DEGRA	NOITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.6		
Base Number (BN)	mg KOH/g	ASTM D2896		5.3		



OIL ANALYSIS REPORT







Certificate 12367

Report Id: GFL960B [WUSCAR] 06154086 (Generated: 04/23/2024 10:59:59) Rev: 1

Laboratory Sample No. Lab Number : 06154086

: GFL0111255

Unique Number : 10989509 Test Package : FLEET

Viscosity @ 100°C

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Apr 2024 **Tested** Diagnosed

: 22 Apr 2024 : 22 Apr 2024 - Wes Davis

GFL Environmental - 960B - Pittsfield HC 1335 W. Washington

> Contact: David Bradshaw david.bradshaw@gflenv.com T:

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)

Base Number

B/H0X 4.0

0.0

Pittsfield, IL

US 62363

F: