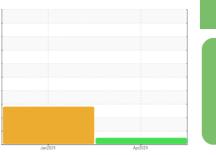


OIL ANALYSIS REPORT





Sample Rating Trend





Machine Id 714014 Component

Diesel Engine

Fluid
PETRO CANADA DURO

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

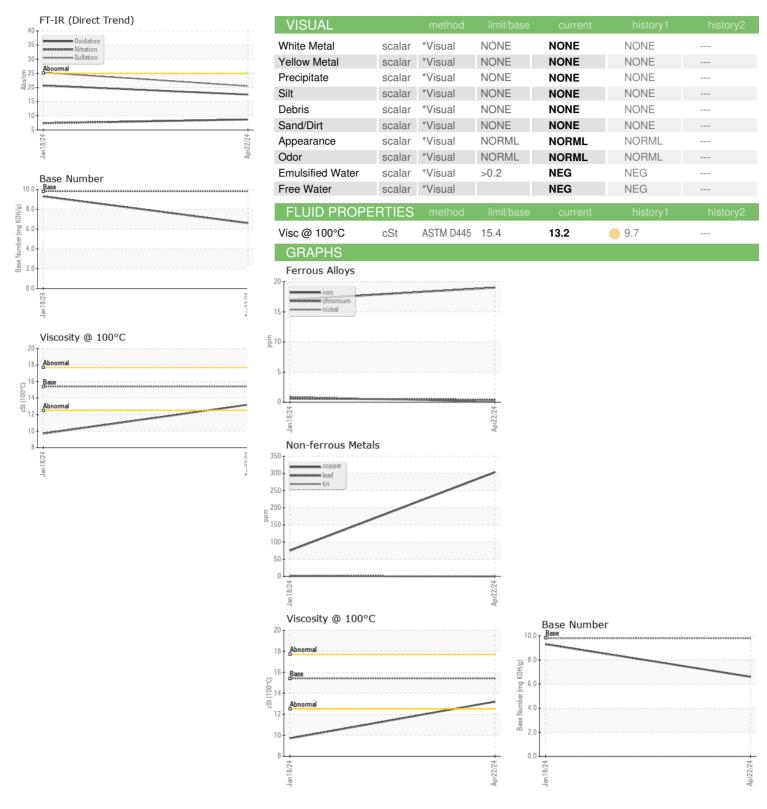
Fluid Condition

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

N SHP 15W40 (- GAL)		Jan 2024	Apr2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117620	GFL0108696	
Sample Date		Client Info		22 Apr 2024	18 Jan 2024	
Machine Age	hrs	Client Info		885	570	
Oil Age	hrs	Client Info		570	570	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	ABNORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
uel		WC Method	>3.0	<1.0	0.3	
Vater		WC Method	>0.2	NEG	NEG	
Blycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>120	19	17	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
lickel	ppm	ASTM D5185m	>5	0	<1	
itanium	ppm	ASTM D5185m	>2	0	0	
Silver	ppm	ASTM D5185m	>2	<1	<1	
Muminum	ppm	ASTM D5185m	>20	2	8	
.ead	ppm	ASTM D5185m	>40	0	1	
Copper	ppm	ASTM D5185m	>330	303	75	
īn	ppm	ASTM D5185m	>15	<1	2	
/anadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	16	326	
Barium	ppm	ASTM D5185m	0	0	0	
Nolybdenum	ppm	ASTM D5185m	60	69	98	
Manganese	ppm	ASTM D5185m	0	1	3	
/lagnesium	ppm	ASTM D5185m	1010	967	722	
Calcium	ppm	ASTM D5185m	1070	1164	1457	
Phosphorus	ppm	ASTM D5185m	1150	1016	784	
Zinc	ppm	ASTM D5185m	1270	1241	757	
Sulfur	ppm	ASTM D5185m	2060	2938	2260	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	15	<u>^</u> 77	
Sodium	ppm	ASTM D5185m		3	2	
Potassium	ppm	ASTM D5185m	>20	4	8	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.4	0.2	
litration	Abs/cm	*ASTM D7624	>20	8.7	7.4	
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.5	25.3	
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.5	20.7	
Madion	7100/1111111	7101111 27 111	720	17.5	20.7	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number : 06158816 Unique Number : 10994239 Test Package : FLEET

: GFL0117620

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Apr 2024 **Tested** : 25 Apr 2024 Diagnosed

: 25 Apr 2024 - Wes Davis

GFL Environmental - 415 - Michigan East 6200 Elmridge Sterling Heights, MI US 48313 Contact: Frank Wolak fwolak@gflenv.com

T: (586)825-9514

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)