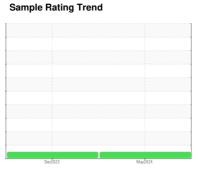


OIL ANALYSIS REPORT



NORMAL



413130 Component
Diesel Engine

Machine Id

PETRO CANADA DURON SHP 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

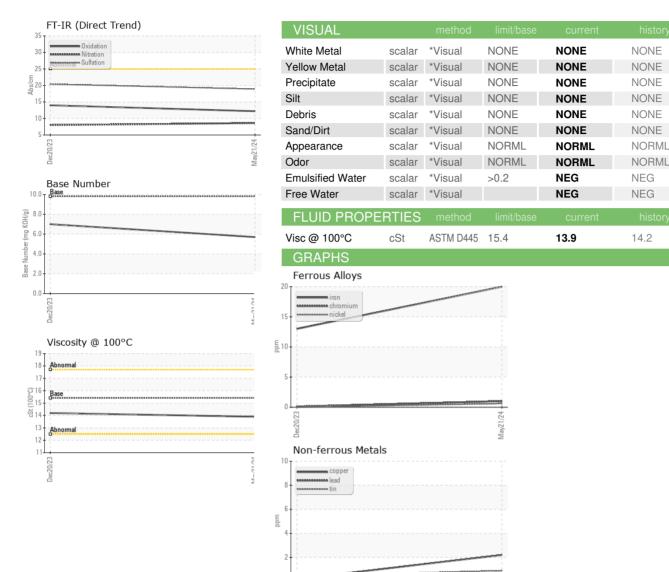
Fluid Condition

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

AL)			Dec2023	May2024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0066540	GFL0066510	
Sample Date		Client Info		21 May 2024	20 Dec 2023	
Machine Age	mls	Client Info		64552	44165	
Oil Age	mls	Client Info		20387	44165	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	20	13	
Chromium	ppm	ASTM D5185m	>20	1	<1	
Nickel	ppm	ASTM D5185m	>4	<1	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>3	1	0	
Aluminum	ppm	ASTM D5185m	>20	5	7	
Lead	ppm	ASTM D5185m	>40	<1	0	
Copper	ppm	ASTM D5185m	>330	2	<1	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	23	157	
Barium	ppm	ASTM D5185m	0	<1	0	
Molybdenum	ppm	ASTM D5185m	60	47	49	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	74	217	
Calcium	ppm	ASTM D5185m	1070	2329	1837	
Phosphorus	ppm	ASTM D5185m	1150	998	1044	
Zinc	ppm	ASTM D5185m	1270	1219	1204	
Sulfur	ppm	ASTM D5185m	2060	3329	3312	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	14	9	
Sodium	ppm	ASTM D5185m		5	0	
Potassium	ppm	ASTM D5185m	>20	13	17	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	8.6	8.0	
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.9	20.4	
FLUID DEGRA	NOITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.2	14.0	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	5.7	7.0	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06191860 Unique Number : 11048612 Test Package : FLEET

100 ₹ 14

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0066540 Received : 28 May 2024

Tested : 29 May 2024 Diagnosed : 30 May 2024 - Sean Felton

GFL Environmental - 977 - Montgomery Hauling

Base Number

(mg K0H/g)

0.0

17851 Highway 105 E Conroe, TX US 77306

Contact: CHRIS YOUNG christophery@gflenv.com T:

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.

Viscosity @ 100°C

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

F: