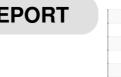


OIL ANALYSIS REPORT



Sample Rating Trend





Machine Id 913077 Diesel Engine

PETRO CANADA DURON SHP 15W40 (36 LTR)

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

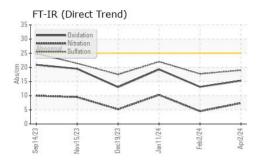
Fluid Condition

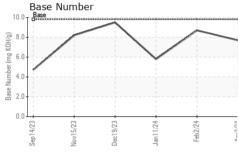
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

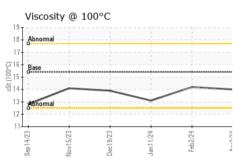
N SHP 15W40 (JO E111)	Sep 2023			Apr2024	
SAMPLE INFOF	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0104489	GFL0109975	GFL0110018
Sample Date		Client Info		02 Apr 2024	02 Feb 2024	11 Jan 2024
Machine Age	hrs	Client Info		4308	4009	3721
Oil Age	hrs	Client Info		600	600	2937
Oil Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>120	9	6	33
Chromium	ppm	ASTM D5185m	>20	1	<1	1
Nickel	ppm	ASTM D5185m	>5	3	0	4
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m	>20	2	2	10
Lead	ppm	ASTM D5185m	>40	<1	0	<1
Copper	ppm	ASTM D5185m	>330	4	0	34
Γin	ppm	ASTM D5185m	>15	<1	0	2
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	6	2	6
Barium	ppm	ASTM D5185m	0	0	5	0
Molybdenum	ppm	ASTM D5185m	60	62	56	66
Manganese	ppm	ASTM D5185m	0	<1	0	1
Magnesium	ppm	ASTM D5185m	1010	940	901	921
Calcium	ppm	ASTM D5185m	1070	1035	959	1087
Phosphorus	ppm	ASTM D5185m	1150	949	909	1000
Zinc	ppm	ASTM D5185m	1270	1214	1164	1245
Sulfur	ppm	ASTM D5185m	2060	2959	3003	2408
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	5	11
Sodium	ppm	ASTM D5185m		76	0	4
Potassium	ppm	ASTM D5185m	>20	6	2	27
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.4	0	0.6
Vitration	Abs/cm	*ASTM D7624	>20	7.4	4.5	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.0	17.7	22.0
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.3	13.1	19.3

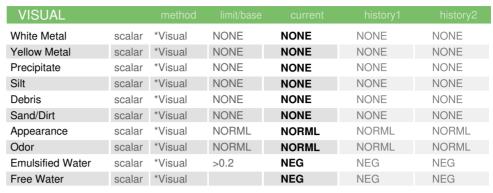


OIL ANALYSIS REPORT



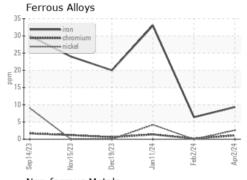


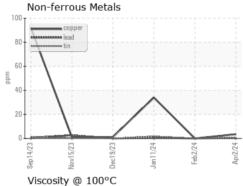


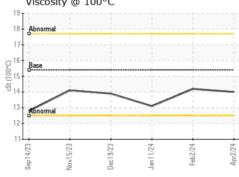


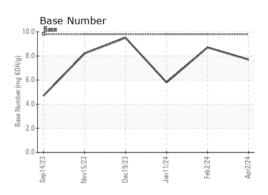
FLUID PROPI	ERIIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.0	14.2	13.1

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0104489 Lab Number : 06140956 Unique Number : 10965764 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Apr 2024

Tested : 08 Apr 2024 Diagnosed : 08 Apr 2024 - Wes Davis

39000 Van Born Rd Wayne, MI US 48184

GFL Environmental - 410 - Michigan West

Contact: Belal Dgheish bdgheish@gflenv.com T: (734)714-2340

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)