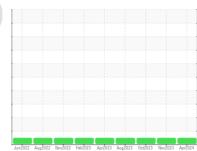


OIL ANALYSIS REPORT

Sample Rating Trend









PETRO CANADA DURON SHP 15W40 (5 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

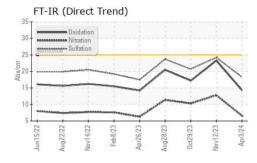
Fluid Condition

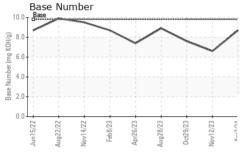
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

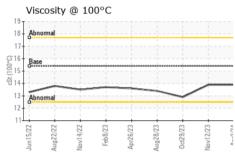
OAMBLE INFOR	MATION		11. 11.0		12.4	1:
SAMPLE INFORI	VIATION		limit/base	current	history1	history2
Sample Number		Client Info		GFL0115136	GFL0097715	GFL0097692
Sample Date		Client Info		03 Apr 2024	12 Nov 2023	29 Oct 2023
Machine Age	hrs	Client Info		17820	16659	22933
Oil Age	hrs	Client Info		581	628	720
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	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	0.0
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	9	52	36
Chromium	ppm	ASTM D5185m	>20	<1	2	4
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m	>2	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	6	4
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	0	2	12
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	1	2	3
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	60	54	60
Manganese	ppm	ASTM D5185m	0	<1	<1	2
Magnesium	ppm	ASTM D5185m	1010	996	893	761
Calcium	ppm	ASTM D5185m	1070	1082	1038	985
Phosphorus	ppm	ASTM D5185m	1150	1132	991	870
Zinc	ppm	ASTM D5185m	1270	1326	1248	1138
Sulfur	ppm	ASTM D5185m	2060	3678	2797	2361
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	8	14
Sodium	ppm	ASTM D5185m		1	11	98
Potassium	ppm	ASTM D5185m	>20	0	6	6
INIEDA DED		method	limit/base	current	history1	history2
INFRA-RED						
Soot %	%	*ASTM D7844	>6	0.2	0.8	0.6
	% Abs/cm	*ASTM D7844 *ASTM D7624		0.2 6.6	0.8 12.8	0.6 10.3
Soot %			>20	0.2 6.6 18.3		
Soot % Nitration	Abs/cm Abs/.1mm	*ASTM D7624	>20	6.6	12.8	10.3
Soot % Nitration Sulfation FLUID DEGRAE	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415 method	>20 >30 limit/base	6.6 18.3 current	12.8 24.2 history1	10.3 20.7 history2
Soot % Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415	>20 >30	6.6 18.3	12.8 24.2	10.3 20.7

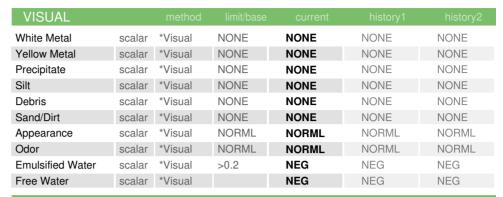


OIL ANALYSIS REPORT



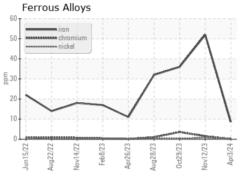




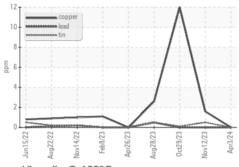


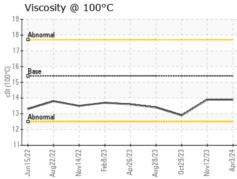
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.9	13.9	12.9

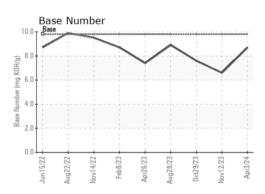
GRAPHS



Non-ferrous Metals











Laboratory Sample No.

: GFL0115136 Lab Number : 06150102 Unique Number : 10980180

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 17 Apr 2024 Diagnosed : 17 Apr 2024 - Wes Davis

: 16 Apr 2024

GFL Environmental - 405 - Arbor Hills 7811 Chubb Rd

NORTHVILLE, MI US 48168 Contact: John Nahal jnahal@gflenv.com

Test Package : FLEET Certificate 12367 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)

Report Id: GFL405 [WUSCAR] 06150102 (Generated: 04/17/2024 12:17:56) Rev: 1

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