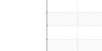


OIL ANALYSIS REPORT





Sample Rating Trend



PETRO CANADA DURO

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Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Exhaust valve wear is indicated.

Contamination

There is no indication of any contamination in the oil.

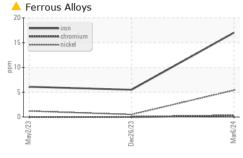
Fluid Condition

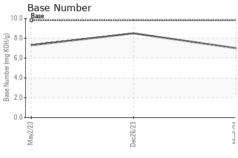
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

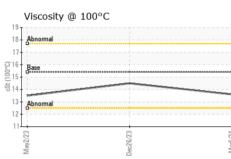
N SHP 15W40 (- GAL)	Ma	y2023	Dec2023 Mar20	24	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0114344	GFL0105683	GFL0069880
Sample Date		Client Info		06 Mar 2024	26 Dec 2023	02 May 2023
Machine Age	hrs	Client Info		25654	25257	23523
Dil Age	hrs	Client Info		397	0	600
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
uel		WC Method	>3.0	<1.0	<1.0	<1.0
Vater		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>120	17	6	6
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>5	<u>^</u> 5	<1	1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m		5	6	1
_ead	ppm	ASTM D5185m	>40	<1	0	<1
Copper	ppm	ASTM D5185m		2	<1	<1
Γin ,	ppm	ASTM D5185m	>15	<1	<1	<1
/anadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	<1	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	60	55	58	58
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	1010	906	983	947
Calcium	ppm	ASTM D5185m		1005	1105	1032
Phosphorus	ppm	ASTM D5185m	1150	998	1068	1042
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	1270 2060	1255 2881	1239 3158	1272 2913
	ppm					
CONTAMINAN		method	limit/base	current	history1	history2
Silicon Sodium	ppm	ASTM D5185m	>25	4	3	2
Potassium	ppm	ASTM D5185m ASTM D5185m	>20	9	0	<1
	ppm					
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.4	0.2	0.3
Nitration	Abs/cm	*ASTM D7624		8.6	5.1	8.5
Sulfation	Abs/.1mm	*ASTM D7415		19.4	18.1	18.9
FLUID DEGRAD	ATION		limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.3	13.9	15.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.0	8.5	7.3

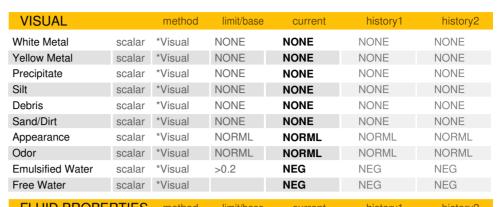


OIL ANALYSIS REPORT



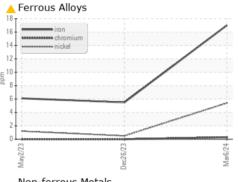


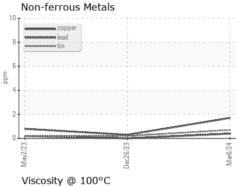


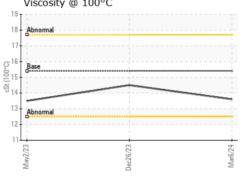


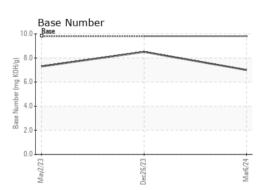
FLUID FROF	LHILS	method	IIIIII/Dase	Current	HISTORY	HISTORYZ
Visc @ 100°C	cSt	ASTM D445	15.4	13.6	14.5	13.5

GRAPHS











Certificate L2367

Laboratory Sample No.

: GFL0114344 Lab Number : 06112660 Unique Number : 10916157 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Mar 2024 **Tested** : 11 Mar 2024

: 12 Mar 2024 - Sean Felton Diagnosed

GFL Environmental - 468 - Dearborn

3051 Schaefer Rd Dearborn, MI US 48126 Contact:

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)

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