

OIL ANALYSIS REPORT

Sample Rating Trend







Diesel Engine

PETRO CANADA DURON SHP 15W40 (36 GAL)

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

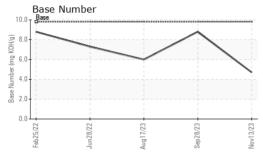
Fluid Condition

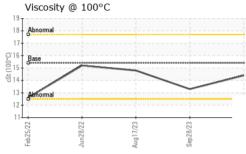
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

		Feb2022	Jun2022	Aug2023 Sep2023	Nov2023	
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0059253	GFL0084964	GFL0085051
Sample Date		Client Info		13 Nov 2023	28 Sep 2023	17 Aug 2023
Machine Age	hrs	Client Info		22231	21967	21557
Oil Age	hrs	Client Info		22231	410	20490
Oil Changed		Client Info		Not Changd	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	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 METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>75	58	2	46
Chromium	ppm	ASTM D5185m	>5	2	0	2
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
Titanium	ppm	ASTM D5185m	>2	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>15	3	2	2
Lead	ppm	ASTM D5185m	>25	0	1	0
Copper	ppm	ASTM D5185m	>100	1	<1	1
Tin	ppm		>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	6	4	3
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	58	59	60
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	924	945	926
Calcium	ppm	ASTM D5185m	1070	1049	1069	1067
Phosphorus	ppm	ASTM D5185m	1150	994	1080	965
Zinc	ppm	ASTM D5185m	1270	1258	1286	1185
Sulfur	ppm	ASTM D5185m	2060	2540	3233	3353
CONTAMINAN [®]	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	5	10
Sodium	ppm	ASTM D5185m		9	2	8
Potassium	ppm	ASTM D5185m	>20	<1	2	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	1.3	0.2	0.9
Nitration	Abs/cm	*ASTM D7624	>20	15.3	5.7	14.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	29.3	17.5	25.1
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	33.5	13.6	26.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	4.7	8.8	6.0
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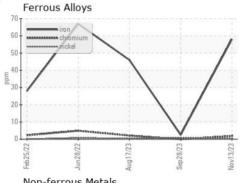


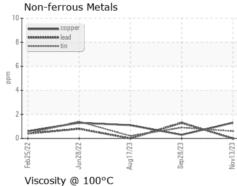


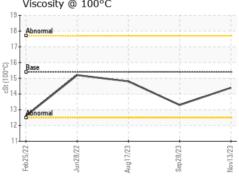
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

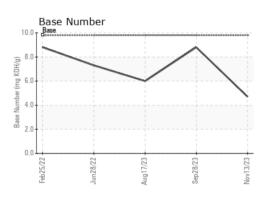
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.4	13.3	14.8

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number** Test Package : FLEET

: GFL0059253 : 06010573

: 10749717

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Nov 2023

Diagnosed : 20 Nov 2023 Diagnostician : Sean Felton

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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