

OIL ANALYSIS REPORT

Sample Rating Trend و حتو حتو حتو د



Machine Id 727068-361321 Component

Diesel Engine Fluid

PETRO CANADA DURON SHP 15W40 (--- GAL)

			Vov2019 Ju	unzuzi Marzuzz No		Dec2023	
DIAGNOSIS	SAMPLE INFO	RMATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0098294	GFL0098348	GFL0098305
Resample at the next service interval to monitor.	Sample Date		Client Info		24 Jan 2024	27 Dec 2023	01 Dec 2023
Wear	Machine Age	hrs	Client Info		12304	4068	3900
All component wear rates are normal.	Oil Age	hrs	Client Info		600	700	700
Contamination	Oil Changed		Client Info		Changed	Changed	Changed
There is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
oil.	CONTAMINA	TION	method	limit/base	current	history1	history2
Fluid Condition	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the	Water		WC Method	>0.2	NEG	NEG	NEG
oil is suitable for further service.	Glycol		WC Method		NEG	NEG	NEG
	WEAR META	LS	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>120	33	33	17
	Chromium	ppm	ASTM D5185m	>20	1	<1	<1
	Nickel	ppm	ASTM D5185m	>5	0	<1	0
	Titanium	ppm	ASTM D5185m	>2	<1	<1	0
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	1	2	<1
	Lead	ppm	ASTM D5185m	>40	1	2	<1
	Copper	ppm	ASTM D5185m	>330	1	2	2
	Tin	ppm	ASTM D5185m	>15	<1	<1	0
	Vanadium	ppm	ASTM D5185m		<1	0	0
	Cadmium	ppm	ASTM D5185m		<1	<1	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	0	<1	0
	Barium	ppm	ASTM D5185m	0	0	8	0
	Molybdenum	ppm	ASTM D5185m	60	52	55	55
	Manganese	ppm	ASTM D5185m	0	<1	<1	0
	Magnesium	ppm	ASTM D5185m	1010	941	874	906
	Calcium	ppm	ASTM D5185m	1070	953	978	966
	Phosphorus	ppm	ASTM D5185m	1150	976	882	945
	Zinc	ppm	ASTM D5185m	1270	1162	1111	1180
	Sulfur	ppm	ASTM D5185m	2060	2819	2915	2971
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	2	3	2
	Sodium	ppm	ASTM D5185m		1	0	0
	Potassium	ppm	ASTM D5185m	>20	<1	2	0
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	2.6	2.3	1.4
	Nitration	Abs/cm	*ASTM D7624	>20	7.8	7.4	6.0
	Sulfation	Abs/.1mm	*ASTM D7415		22.1	20.9	19.0
	FLUID DEGRA		method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	13.2	13.2	12.5
	Dese Neurskerr (DNI)			0.0		0.0	0 5

Base Number (BN) mg KOH/g ASTM D2896 9.8

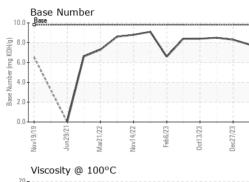
8.5

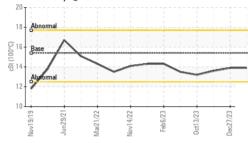
8.3

7.8

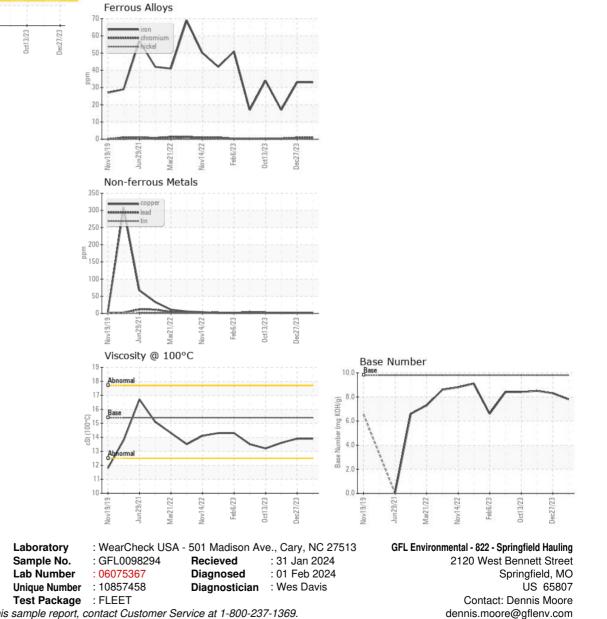


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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 PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.9	13.9	13.6
GRAPHS						



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.

Certificate L2367

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