

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id 727111-28 Component

Diesel Engine Fluid

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

DIAGNOSIS	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0058121	GFL0058126	GFL0058044
esample at the next service interval to monitor. (Sample Date		Client Info		07 Feb 2024	06 Nov 2023	28 Aug 2023
ustomer Sample Comment: PULLED FOR	Machine Age	hrs	Client Info		21092	20841	20502
SAMPLE)	Oil Age	hrs	Client Info		590	339	550
lear	Oil Changed		Client Info		N/A	Not Changd	Changed
l component wear rates are normal.	Sample Status				NORMAL	NORMAL	NORMAL
ontamination here is no indication of any contamination in the	CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
oil.	Fuel		WC Method		<1.0	<1.0	<1.0
uid Condition	Water		WC Method	>0.2	NEG	NEG	NEG
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the 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	>80	7	12	15
	Chromium	ppm	ASTM D5185m	>5	<1	1	1
	Nickel	ppm	ASTM D5185m	>2	0	<1	0
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>30	2	2	5
	Lead	ppm	ASTM D5185m	>30	0	1	<1
	Copper	ppm	ASTM D5185m	>150	<1	1	<1
	Tin	ppm	ASTM D5185m	>5	<1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	Cadmium	ppm	ASTM D5185m		0	<1	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	2	6	4
	Barium	ppm	ASTM D5185m	0	0	5	0
	Molybdenum	ppm	ASTM D5185m	60	60	71	66
	Manganese	ppm	ASTM D5185m	0	<1	<1	<1
	Magnesium	ppm	ASTM D5185m	1010	945	1077	1074
	Calcium	ppm	ASTM D5185m	1070	1024	1220	1258
	Phosphorus	ppm	ASTM D5185m	1150	1036	1243	1161
	Zinc	ppm	ASTM D5185m	1270	1201	1371	1430
	Sulfur	ppm	ASTM D5185m	2060	2986	3457	3971
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>20	4	4	3
	Sodium	ppm	ASTM D5185m		3	0	6
	Potassium	ppm	ASTM D5185m	>20	0	2	2
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>3	0.1	0.2	0.4
	Nitration	Abs/cm	*ASTM D7624		5.4	5.9	6.6
	Sulfation	Abs/.1mm			18.2	18.7	19.4
	FLUID DEGRA			limit/base	current	history1	history2
			monou		ounon	inotory	- inotoryz
	Quidat	AL. / 4	******	05	407	110	4.4.4
	Oxidation Base Number (BN)		*ASTM D7414 ASTM D2896		13.7 9.2	14.2 9.3	14.4 9.0



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> 12 11

Aug13/21

Abnormal

Apr22/22

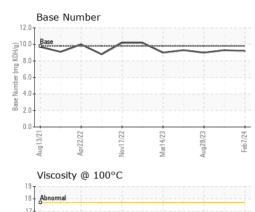
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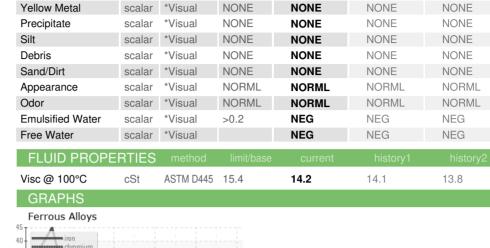
scalar

*Visual

VISUAL

White Metal





NONE

NONE

NONE

NONE

