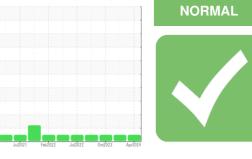


OIL ANALYSIS REPORT

Sample Rating Trend



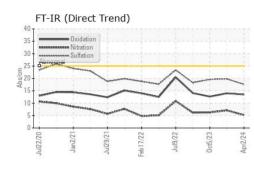
Machine Id

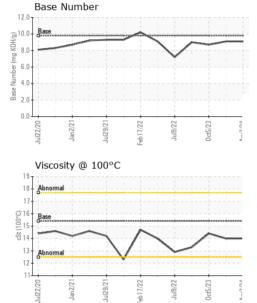
426019-4669 Component Diesel Engine PETRO CANADA DURON SHP 15W40 (--- LTR)

DIAGNOSIS	SAMPLE INFOR		method	limit/base	ourropt	history1	history2
				IIIIII/Dase			,
Recommendation	Sample Number		Client Info		GFL0112801	GFL0101323	GFL0058080
esample at the next service interval to monitor.	Sample Date		Client Info		02 Apr 2024	13 Jan 2024	05 Oct 2023
ear	Machine Age	hrs	Client Info		33183	33100	33096
l component wear rates are normal.	Oil Age	hrs	Client Info		0	0	23
ontamination	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
nere is no indication of any contamination in the I.	Sample Status				NORMAL	NORMAL	NORMAL
uid Condition	CONTAMINAT	ION	method	limit/base	current	history1	history2
The BN result indicates that there is suitable	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
calinity remaining in the oil. The condition of the	Water		WC Method	>0.2	NEG	NEG	NEG
is suitable for further service.	Glycol		WC Method		NEG	NEG	NEG
	WEAR METAL	.S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>120	5	2	8
	Chromium	ppm	ASTM D5185m	>20	<1	<1	0
	Nickel	ppm	ASTM D5185m	>5	<1	<1	0
	Titanium	ppm	ASTM D5185m	>2	<1	0	0
	Silver	ppm	ASTM D5185m	>2	<1	0	0
	Aluminum	ppm	ASTM D5185m	>20	8	<1	4
	Lead	ppm	ASTM D5185m		2	0	0
	Copper	ppm	ASTM D5185m		2	2	<1
	Tin	ppm	ASTM D5185m		2	0	0
	Vanadium	ppm	ASTM D5185m		- <1	0	0
	Cadmium	ppm	ASTM D5185m		<1	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	2	<1	8
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m		58	56	61
	Manganese	ppm	ASTM D5185m		<1	<1	0
	Magnesium	ppm	ASTM D5185m		1005	868	976
	Calcium	ppm	ASTM D5185m		1126	948	1063
	Phosphorus	ppm	ASTM D5185m		1052	987	1006
	Zinc	ppm	ASTM D5185m		1260	1137	1242
	Sulfur	ppm	ASTM D5185m		3785	2739	3183
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	8	3	<1
	Sodium	ppm	ASTM D5185m		4	<1	0
	Potassium	ppm	ASTM D5185m	>20	5	2	0
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.2	1.3	1.7
	Nitration	Abs/cm	*ASTM D7624		5.2	7.1	6.3
	Sulfation	Abs/.1mm	*ASTM D7415		17.6	19.8	19.6
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	Oxidation	Ahs/1mm	*ASTM D7414	>25	13.5	14.0	12.7
	Base Number (BN)		ASTM D7414 ASTM D2896		9.1	9.1	8.7
	Dase Mulliber (DN)	ing NON/g	A01101D2030	3.0	5.1	0.1	0.7



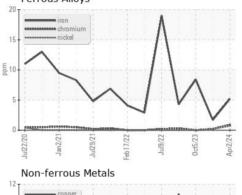
OIL ANALYSIS REPORT

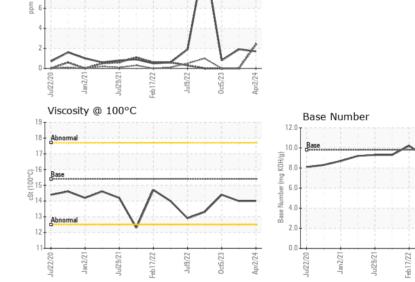


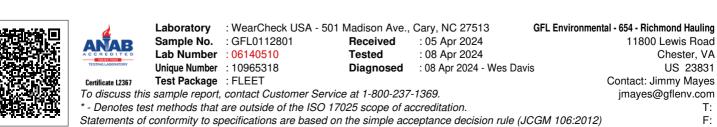


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	14.0	14.0	14.4
GRAPHS						

Ferrous Alloys







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