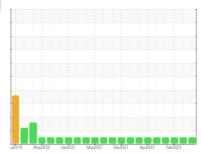


PETRO CANADA DURON SHP 15W40 (5 GAL)

Machine Id 11377 Component Diesel Engine

OIL ANALYSIS REPORT

Sample Rating Trend



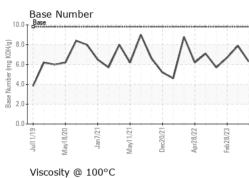


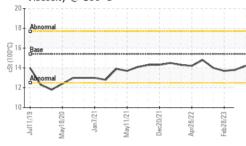
NORMAL

DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0088548	GFL0083321	GFL0065775
Resample at the next service interval to monitor.	Sample Date		Client Info		22 Aug 2023	22 May 2023	28 Feb 2023
Wear	Machine Age	hrs	Client Info		1815	1815	576
All component wear rates are normal.	Oil Age	hrs	Client Info		580	260	576
Contamination	Oil Changed		Client Info		N/A	N/A	N/A
There is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
oil.	CONTAMINAT	ION	method	limit/base		history1	history2
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.	Fuel		WC Method	<u>\</u> 5	<1.0	<1.0	<1.0
	Glycol		WC Method	20	NEG	NEG	NEG
	WEAR METAL	S	method	limit/base		history1	history2
	Iron		ASTM D5185m		19	10	16
	Chromium	ppm	ASTM D5185m		<1	0	<1
	Nickel	ppm			<1	0	<1
		ppm	ASTM D5185m	>4	0	0	<1
	Titanium	ppm	ASTM D5185m	0	-		
	Silver	ppm	ASTM D5185m		0	0	<1
	Aluminum	ppm	ASTM D5185m		3	<1	5
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		<1	<1	<1
	Tin	ppm	ASTM D5185m	>15	0	<1	0
	Vanadium	ppm	ASTM D5185m		0	0	<1
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	<1	7	8
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	66	61	62
	Manganese	ppm	ASTM D5185m	0	<1	<1	<1
	Magnesium	ppm	ASTM D5185m	1010	1003	945	889
	Calcium	ppm	ASTM D5185m	1070	1129	1221	1229
	Phosphorus	ppm	ASTM D5185m	1150	1075	1007	1031
	Zinc	ppm	ASTM D5185m	1270	1324	1290	1266
	Sulfur	ppm	ASTM D5185m	2060	3350	3445	2673
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	6	4	4
	Sodium	ppm	ASTM D5185m		<1	2	3
	Potassium	ppm	ASTM D5185m	>20	11	5	6
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>3	0.4	0.2	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	11.7	9.5	10.9
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.1	20.4	22.4
	FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	22.5	19.2	21.9
	Base Number (BN)				6.3	7.9	6.7
		9					-

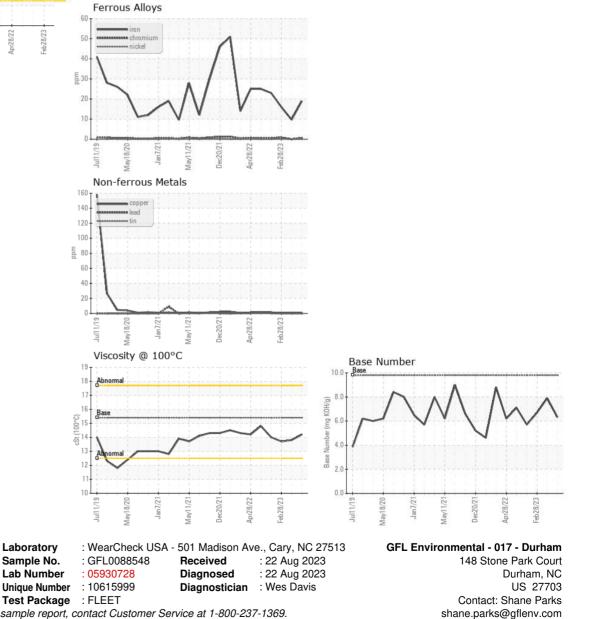


OIL ANALYSIS REPORT





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	14.2	13.8	13.7
GRAPHS						





Certificate L2367 Test Package : FLEET 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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