

OIL ANALYSIS REPORT

Sample Rating Trend



Area G.LOPES CONSTRUCTION INC./Off-Road **SL588** Component Diesel Engine

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

AGNOSIS	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
commendation	Sample Number		Client Info		PCA0122950	PCA0098625	PCA009065
dvise that you check for the source of the	Sample Date		Client Info		12 Jun 2024	04 Oct 2023	25 Jan 2023
nt leak. Check for low coolant level. We	Machine Age	hrs	Client Info		7324	6671	6671
nmend an early resample to monitor this	Oil Age	hrs	Client Info		6852	6671	6671
tion.	Oil Changed		Client Info		N/A	N/A	N/A
	Sample Status				ABNORMAL	NORMAL	ABNORMA
mponent wear rates are normal. ntamination	CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
im and/or potassium levels are high.	Fuel		WC Method	>5	<1.0	<1.0	<1.0
id Condition	Water		WC Method	>0.2	NEG	NEG	NEG
BN result indicates that there is suitable nity remaining in the oil.	WEAR META	S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>100	58	26	80
	Chromium	ppm	ASTM D5185m	>20	2	1	3
	Nickel	ppm	ASTM D5185m	>2	<1	1	<1
	Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		10	<1	9
	Lead	ppm	ASTM D5185m		1	<1	3
	Copper	ppm	ASTM D5185m		15	8	14
	Tin	ppm	ASTM D5185m		10	<1	2
	Antimony	ppm	ASTM D5185m	210			
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		<1	<1	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	8	6	10
	Barium	ppm	ASTM D5185m	0	<1	0	0
	Molybdenum	ppm	ASTM D5185m	60	105	77	90
	Manganese	ppm	ASTM D5185m		<1	<1	1
	Magnesium	ppm	ASTM D5185m		1466	1155	1420
	Calcium	ppm	ASTM D5185m		1619	1280	1777
	Phosphorus	ppm	ASTM D5185m		1261	1164	1333
	Zinc	ppm	ASTM D5185m	1270	1734	1513	1832
	Sulfur	ppm	ASTM D5185m		3185	3362	4092
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	13	9	13
	Sodium	ppm	ASTM D5185m		🔺 167	27	6 4
	Potassium	ppm	ASTM D5185m	>20	1 38	29	60
	Glycol	%	*ASTM D2982		NEG	NEG	NEG
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>3	0.6	0.4	0.8
			*ASTM D7624	>20	14.3	9.4	12.7
	Nitration	Abs/cm	ASTIVI D7024				
			*ASTM D7624		24.6	20.9	24.7
	Nitration	Abs/.1mm	*ASTM D7415			20.9 history1	
	Nitration Sulfation	Abs/.1mm DATION	*ASTM D7415	>30 limit/base			24.7 history2 19.8

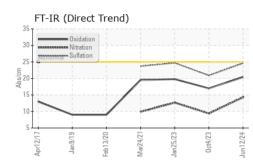
Report Id: GLOTAU [WUSCAR] 06210358 (Generated: 06/21/2024 07:56:07) Rev: 1

Submitted By: MATT MANOLI

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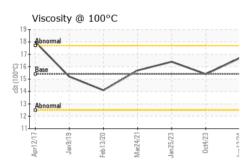


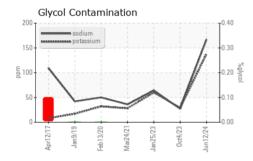
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GRAPHS Iron (ppm)		RTIES	method	limit/base	current	history	1 his	tor
Iron (ppm) Lead (ASTM D445	15.4	16.7			
Aluminum (ppm) Chromium (ppm) Base Number Base Number	RAPHS							
<pre>server</pre>	on (ppm)			10				
Aluminum (ppm) Copper (ppm) Viscosity @ 100°C	vere				Severe			
Aluminum (ppm) Aluminum (ppm)								
Viscosity @ 100°C	normal			L L	Abnormal			
$\frac{1}{12}$								
EZYSTORY EZYSTO			\sim		0			_
Aluminum (ppm) Aluminum (ppm) Chromium (ppm) Silicon (ppm) Copper (ppm) Copper (ppm) Chromium (ppm) Chr	13/20	24/21	25/23 t4/23			24/21	25/23 t4/23	
Severe Annual Copper (ppm) Viscosity @ 100°C Severe Annual Copport Viscosity @ 100°C Severe Annual Copport Co	Jar Feb1	Mar	Jani	Jun	Apr	Feb1 Mari	Janí	
Severe Abnormal	uminum (ppm)					(ppm)		
Viscosity @ 100°C	vere				Severe			
$\frac{1}{1000}$								
$\frac{1}{12}$	normal	1		E.	Abnormal			
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TIZTradi Cobine Cobine<			\sim		0			_
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Viscosity @ 100°C Base Number				4				_
Viscosity @ 100°C Base Number	an 9/1	ar24/2	n25/2)ct4/2	n12/2	pr12/1 an9/1	b 13/2 ar24/2	n25/2)ct4/2:	
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Abnormal 5.0	se	_		B_10.	0 - Dase			
	normal			Mumbe	0-			
				Base				
	/19 -	4/21+	723+	0.	0+++	/20+	723+	
Apri 2/17 Jan 9/19 Jan 25/23 Jan 25/23 Oct4/23 Apri 2/17 Apri 2/17 Apri 2/17 Jan 25/23 Jan 25/23 Jan 25/23	Jan 9,	Mar24	Jan 25, Oct4,	Jun 12,	Apr12 Jan9,	Feb 13, Mar 24	Jan 25, Oct4/	

: 14 Jun 2024

: 20 Jun 2024

: 20 Jun 2024 - Jonathan Hester

ON 565 WINTHROP ST

TAUNTON, MA US 02780 Contact: BUTCH MCGRATH bmcgrath@glopes.com T: F:

Test Package : MOB 2 (Additional Tests: Glycol) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

Lab Number : 06210358

Unique Number : 11083222

Laboratory

Sample No.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

: PCA0122950

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Received

Diagnosed

Tested

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