

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL



Machine Id 8402 Component Natural Gas Engine Fluid RDL-3647 (--- GAL)

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RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

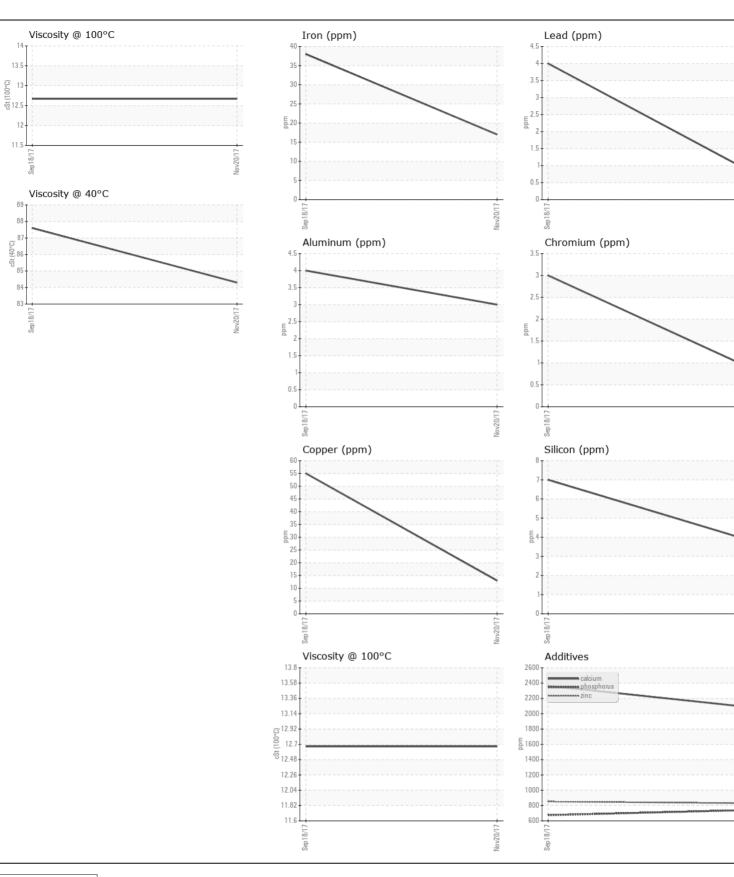
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL11445177	GFL11377194	
Sample Date		Client Info		20 Nov 2017	18 Sep 2017	
Machine Age	hrs	Client Info		3140	2753	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ABNORMAL	
Iron	ppm	ASTM D5185(m)		17	A 38	
Chromium	ppm	ASTM D5185(m)		1	3	
Nickel	ppm	ASTM D5185(m)		1	2	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)		0	0	
Aluminum	ppm	ASTM D5185(m)		3	4	
Lead	ppm	ASTM D5185(m)		1	4	
Copper	ppm	ASTM D5185(m)		13	▲ 55	
Tin	ppm	ASTM D5185(m)		1	1	
Vanadium	ppm	ASTM D5185(m)		0	0	
Silicon	ppm	ASTM D5185(m)		4	7	
Potassium	ppm	ASTM D5185(m)		1	1	
Water		WC Method		NEG	NEG	
Nitration	Abs/cm	ASTM D7624*		9.4	2 8.8	
Sulfation	Abs/.1mm	ASTM D7415*			9.1	
Sodium	ppm	ASTM D5185(m)		5	4 9	
Boron	ppm	ASTM D5185(m)		44	6	
Barium	ppm	ASTM D5185(m)		0	0	
Molybdenum	ppm	ASTM D5185(m)		108	149	
Magnesium	ppm	ASTM D5185(m)		6	7	
Calcium	ppm	ASTM D5185(m)		2100	2364	
Phosphorus	ppm	ASTM D5185(m)		738	674	
Zinc	ppm	ASTM D5185(m)		831	852	
Oxidation	Abs/.1mm	ASTM D7414*		5.8	10.8	
Visc @ 40°C	cSt	ASTM D7279(m)		84.3	87.6	
Visc @ 100°C	cSt	ASTM D7279(m)		12.67	12.67	





Laboratory : WearCheck -Sample No. : GFL11445177 : 24 Nov 2017 Received Lab Number : 11445177 Tested : 25 Nov 2017 : 30 Aug 2019 - Wes Davis Unique Number : 13093261 Diagnosed Test Package : MOB1+ (Additional Tests: FT-IR, ICP, KV100, KV40) To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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