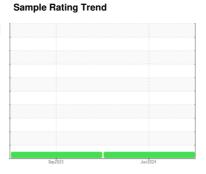


OIL ANALYSIS REPORT







DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

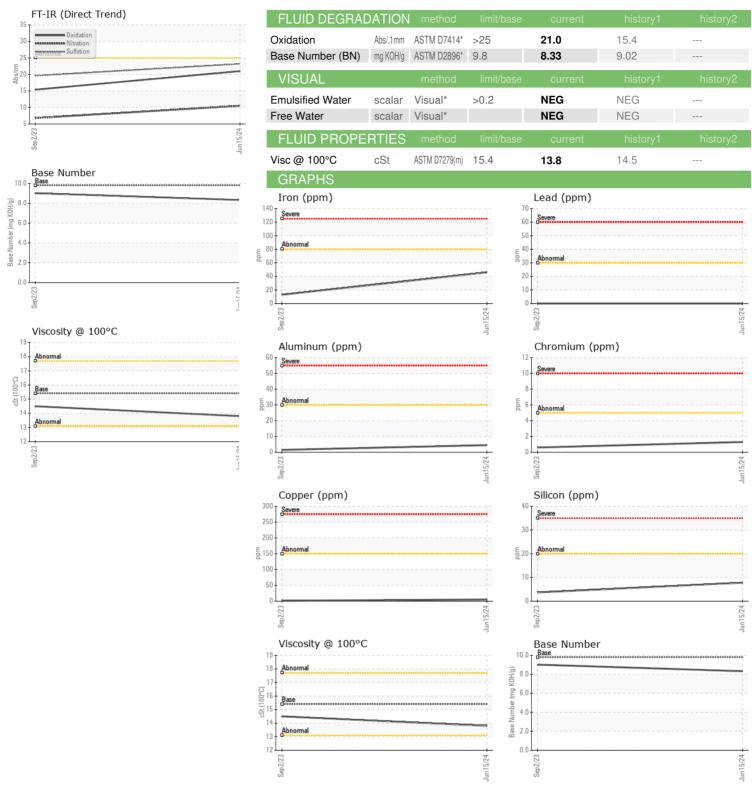
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

N SHP 15W40 (- GAL)	,	Sep 2023	Jun2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0112444	GFL0084343	
Sample Date		Client Info		15 Jun 2024	02 Sep 2023	
Machine Age	hrs	Client Info		145446	122385	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
-uel		WC Method	>5	<1.0	<1.0	
Nater		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>80	46	13	
Chromium	ppm	ASTM D5185(m)	>5	1	<1	
Nickel	ppm	ASTM D5185(m)	>2	<1	0	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)	>3	<1	0	
Aluminum	ppm	ASTM D5185(m)	>30	4	2	
_ead	ppm	ASTM D5185(m)	>30	0	0	
Copper	ppm	ASTM D5185(m)		5	1	
Γin	ppm	ASTM D5185(m)	>5	0	0	
Antimony	ppm	ASTM D5185(m)		0	0	
√anadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	3	3	
Barium	ppm	ASTM D5185(m)	0	0	0	
Molybdenum	ppm	ASTM D5185(m)	60	61	58	
Manganese	ppm	ASTM D5185(m)	0	<1	<1	
Magnesium	ppm	ASTM D5185(m)	1010	954	960	
Calcium	ppm	ASTM D5185(m)	1070	1064	1056	
Phosphorus	ppm	ASTM D5185(m)	1150	935	1055	
Zinc	ppm	ASTM D5185(m)	1270	1173	1180	
Sulfur	ppm	ASTM D5185(m)	2060	2317	2570	
_ithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	ITS _	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	8	4	
Sodium	ppm	ASTM D5185(m)		3	4	
Potassium	ppm	ASTM D5185(m)	>20	4	1	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.8	0.4	
Vitration	Abs/cm	ASTM D7624*	>20	10.5	6.8	



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: GFL0112444 Lab Number : 02643950 Unique Number : 5801489

Test Package : MOB 2

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County Received : 25 Jun 2024 **Tested** : 26 Jun 2024

Diagnosed

: 26 Jun 2024 - Wes Davis

220 Carmek Blvd Rocky View County, AB **CA T1X 1X1** Contact: Jack Levesque

jlevesque@gflenv.com T: (403)265-0044

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.

F: (403)236-0565