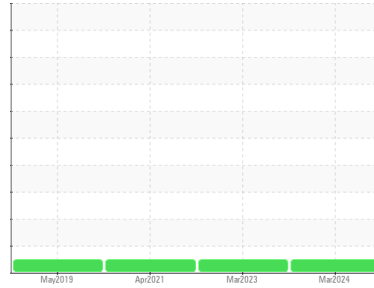


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
ADMINISTRATION PORTUAIRE DE QUEBEC [6100278374]
Machine Id
20131505
Component
Transmission
Fluid
IRVING IDO UNIVERSAL SAE 30 (--- GAL)

DIAGNOSIS

Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Wear

Les taux d'usure de tous les composants sont normaux.

Contamination

Il n'y a aucun indice de contamination dans le fluide.

Fluid Condition

Le AN est acceptable pour ce fluide. L'état de le fluide permet d'en prolonger l'utilisation.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WA0020797	WA0019468	WA0016424
Sample Date	Client Info			27 Mar 2024	30 Mar 2023	16 Apr 2021
Machine Age	hrs	Client Info		1211	0	0
Oil Age	hrs	Client Info		200	0	0
Oil Changed	Client Info			Not Chngd	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	NEG	NEG	NEG

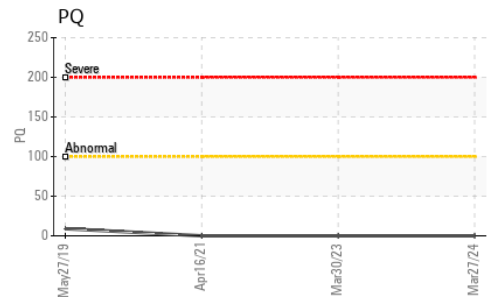
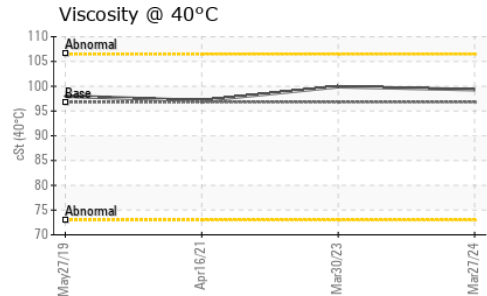
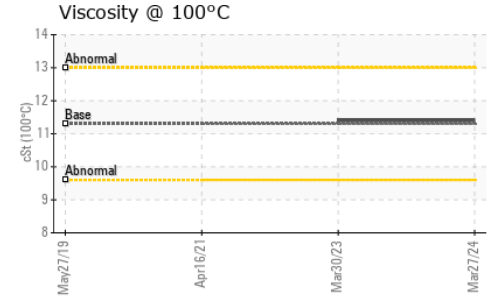
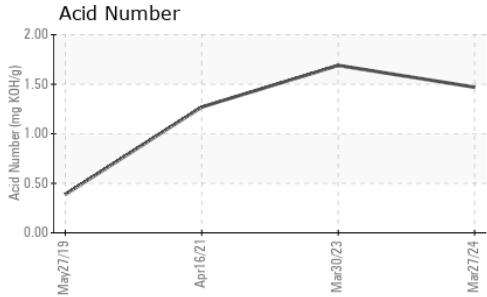
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>200	4	3	5
Chromium	ppm	ASTM D5185(m)	>10	0	0	0
Nickel	ppm	ASTM D5185(m)		0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>50	<1	<1	2
Lead	ppm	ASTM D5185(m)	>50	2	2	2
Copper	ppm	ASTM D5185(m)	>200	6	4	6
Tin	ppm	ASTM D5185(m)	>10	4	4	<1
Antimony	ppm	ASTM D5185(m)		0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	<1	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	272	272	276	256
Barium	ppm	ASTM D5185(m)	1.2	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	2.0	0	<1	<1
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	152	208	205	190
Calcium	ppm	ASTM D5185(m)	2112	2118	2102	2060
Phosphorus	ppm	ASTM D5185(m)	1036	784	841	764
Zinc	ppm	ASTM D5185(m)	900	852	827	872
Sulfur	ppm	ASTM D5185(m)	5348	7782	7772	7932
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	<1	2	3
Sodium	ppm	ASTM D5185(m)		1	1	1
Potassium	ppm	ASTM D5185(m)	>20	<1	2	1

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	---
Nitration	Abs/cm	ASTM D7624*		4.9	4.9	---
Sulfation	Abs/.1mm	ASTM D7415*		14.9	17.5	---

OIL ANALYSIS REPORT

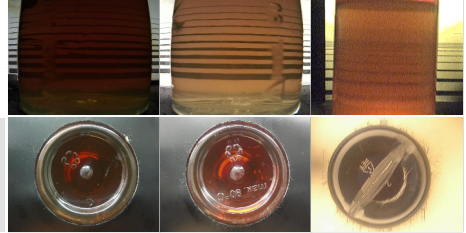


FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	6.6	6.6	---
Acid Number (AN)	mg KOH/g	ASTM D974*	1.47	1.69	1.27

VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*	NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	96.8	99.3	99.9
Visc @ 100°C	cSt	ASTM D7279(m)	11.3	11.4	11.4
Viscosity Index (VI)	Scale	ASTM D2270*	103	101	100

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020797 **Received** : 02 Apr 2024
Lab Number : **02626001** **Tested** : 03 Apr 2024
Unique Number : 5759133 **Diagnosed** : 03 Apr 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: FT-IR, KV100, PQ, TAN Man, VI)

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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