

Machine Id
WESTERN STAR 4683

Component
Gearbox
Fluid
NOT GIVEN (26 LTR)

DIAGNOSIS

Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

Wear

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

Contamination

Il n'y a aucun indice de contamination dans l'huile.

Fluid Condition

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

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	PC0069569	---	---
Sample Date	Client Info	14 Jul 2023	---	---
Machine Age	hrs	Client Info	0	---
Oil Age	hrs	Client Info	17469	---
Oil Changed	Client Info	Changed	---	---
Sample Status		NORMAL	---	---

WEAR METALS method limit/base current history1 history2

PQ	ASTM D8184*	0	---	---
Iron	ppm	ASTM D5185(m) >200	74	---
Chromium	ppm	ASTM D5185(m) >10	0	---
Nickel	ppm	ASTM D5185(m) >10	0	---
Titanium	ppm	ASTM D5185(m)	0	---
Silver	ppm	ASTM D5185(m)	0	---
Aluminum	ppm	ASTM D5185(m) >25	20	---
Lead	ppm	ASTM D5185(m) >50	18	---
Copper	ppm	ASTM D5185(m) >200	21	---
Tin	ppm	ASTM D5185(m) >10	<1	---
Antimony	ppm	ASTM D5185(m) >5	0	---
Vanadium	ppm	ASTM D5185(m)	0	---
Beryllium	ppm	ASTM D5185(m)	0	---
Cadmium	ppm	ASTM D5185(m)	0	---

ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185(m)	112	---
Barium	ppm	ASTM D5185(m)	0	---
Molybdenum	ppm	ASTM D5185(m)	0	---
Manganese	ppm	ASTM D5185(m)	<1	---
Magnesium	ppm	ASTM D5185(m)	1	---
Calcium	ppm	ASTM D5185(m)	132	---
Phosphorus	ppm	ASTM D5185(m)	311	---
Zinc	ppm	ASTM D5185(m)	5	---
Sulfur	ppm	ASTM D5185(m)	1899	---
Lithium	ppm	ASTM D5185(m)	<1	---

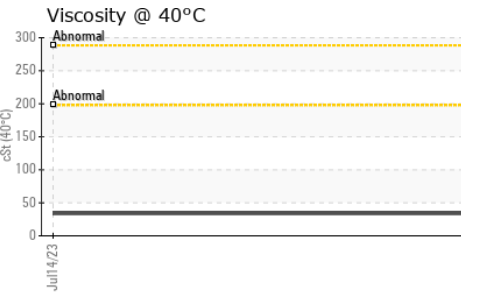
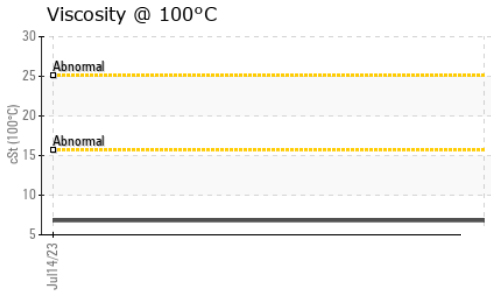
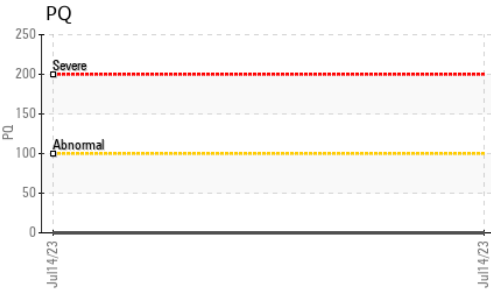
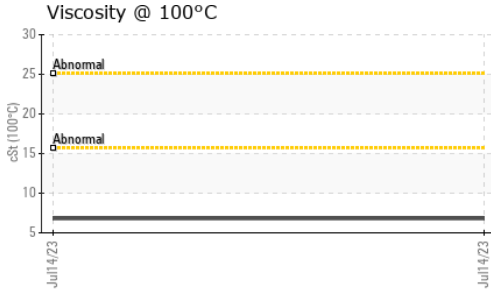
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185(m) >50	8	---
Sodium	ppm	ASTM D5185(m)	3	---
Potassium	ppm	ASTM D5185(m) >20	<1	---

FLUID DEGRADATION method limit/base current history1 history2

Acid Number (AN)	mg KOH/g	ASTM D974*	1.72	---
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OIL ANALYSIS REPORT



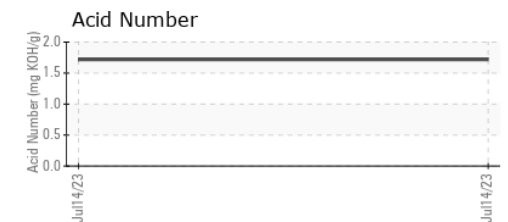
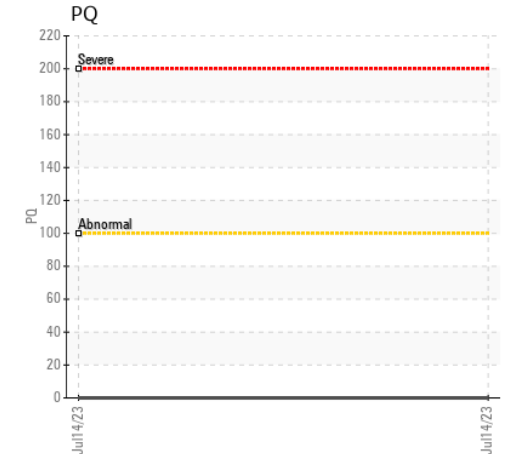
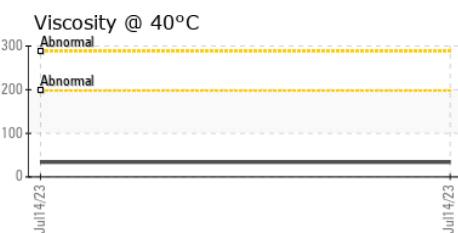
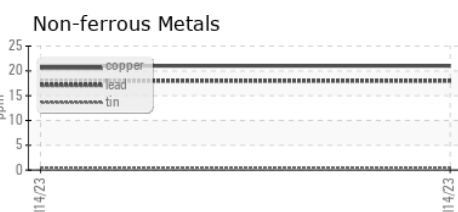
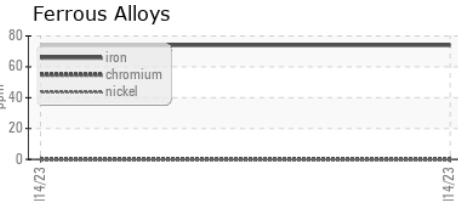
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	33.8	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	6.8	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	164	---	---

SAMPLE IMAGES method limit/base current history1 history2

Color	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental 791MAT - Matane**
Sample No. : PC0069569 **Received** : 19 Jul 2023 29 rue Brilliant
Lab Number : 02570953 **Diagnosed** : 20 Jul 2023 Matane, QC
Unique Number : 5616004 **Diagnostician** : Kevin Marson CA G4W 0J7
Test Package : IND 2 (Additional Tests: KV100, TAN Man, VI) Contact: B Berube
 bberube@matrec.ca

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.