



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
511019

Component
Differential

Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Le fluide n'était pas spécifié, toutefois, une comparaison avec d'autres fluides indiquent que ce fluide est du (GENERIC) GEAR OIL SAE 80W90. Veuillez confirmer.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0086857	---	---
Sample Date		Client Info		02 Apr 2024	---	---
Machine Age	kms	Client Info		185940	---	---
Oil Age	kms	Client Info		0	---	---
Filter Age	kms	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

WEAR

Usure des engrenages.

Iron	ppm	ASTM D5185(m)	>1206	284	---	---
Chromium	ppm	ASTM D5185(m)	>9	2	---	---
Nickel	ppm	ASTM D5185(m)	>9	▲ 11	---	---
Titanium	ppm	ASTM D5185(m)		<1	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>72	2	---	---
Lead	ppm	ASTM D5185(m)	>56	0	---	---
Copper	ppm	ASTM D5185(m)	>57	1	---	---
Tin	ppm	ASTM D5185(m)	>6	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

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

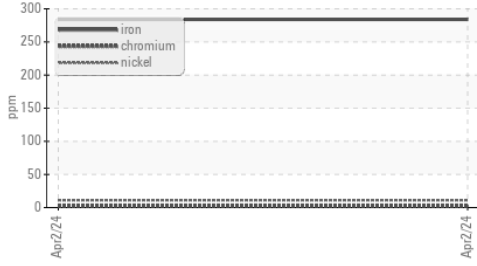
Silicon	ppm	ASTM D5185(m)	>344	58	---	---
Potassium	ppm	ASTM D5185(m)	>20	6	---	---
Water		WC Method	>.2	NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>.2	NEG	---	---

FLUID CONDITION

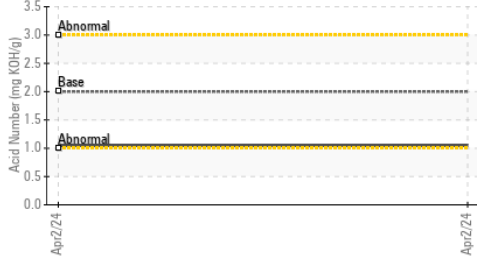
Le AN est acceptable pour ce fluide. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Sodium	ppm	ASTM D5185(m)	>170	5	---	---
Boron	ppm	ASTM D5185(m)	400	48	---	---
Barium	ppm	ASTM D5185(m)	200	<1	---	---
Molybdenum	ppm	ASTM D5185(m)	12	0	---	---
Manganese	ppm	ASTM D5185(m)		5	---	---
Magnesium	ppm	ASTM D5185(m)	12	3	---	---
Calcium	ppm	ASTM D5185(m)	150	18	---	---
Phosphorus	ppm	ASTM D5185(m)	1650	518	---	---
Zinc	ppm	ASTM D5185(m)	125	17	---	---
Sulfur	ppm	ASTM D5185(m)	22500	17205	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	2.00	1.05	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	143	133	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	16.0	14.1	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	117	103	---	---

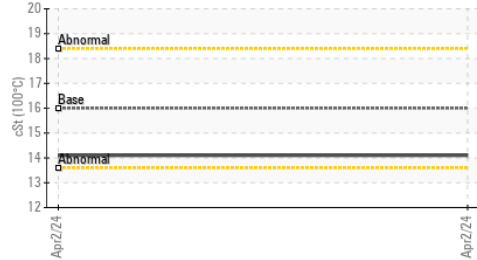
▲ Ferrous Alloys



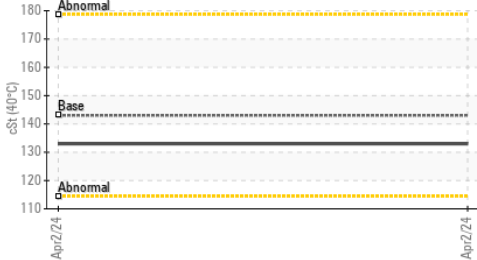
Acid Number



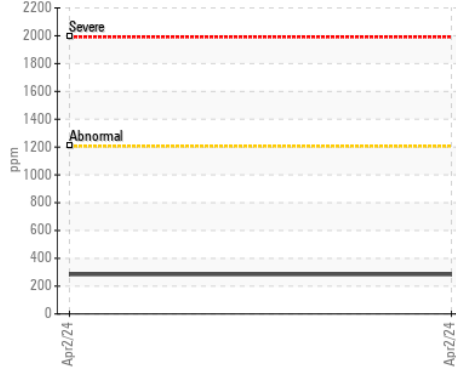
Viscosity @ 100°C



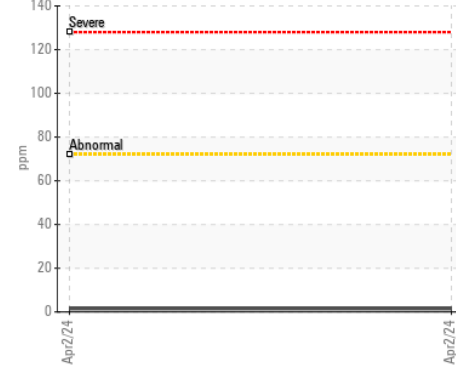
Viscosity @ 40°C



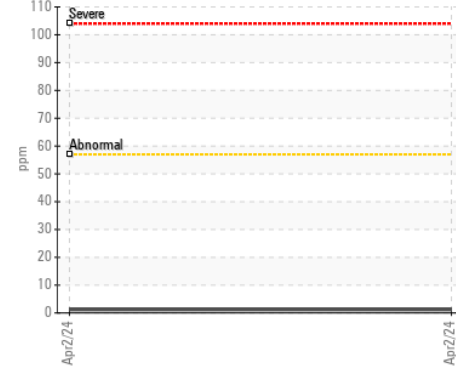
Iron (ppm)



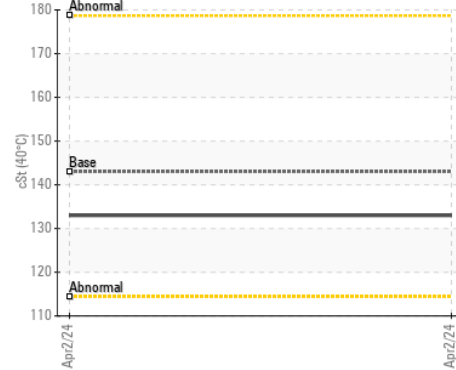
Aluminum (ppm)



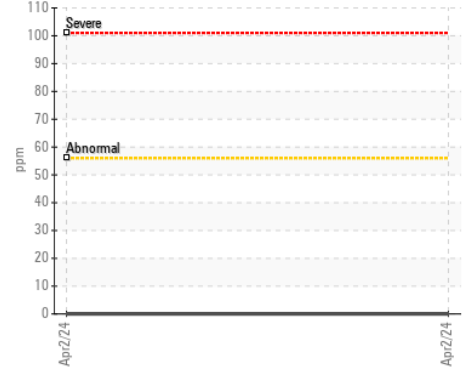
Copper (ppm)



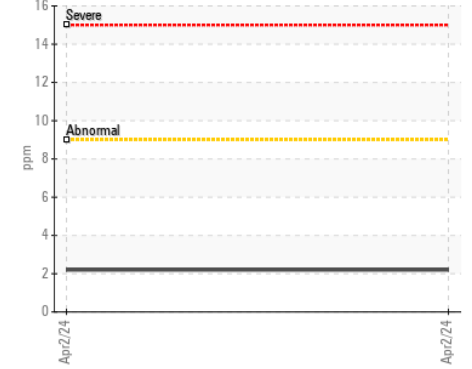
Viscosity @ 40°C



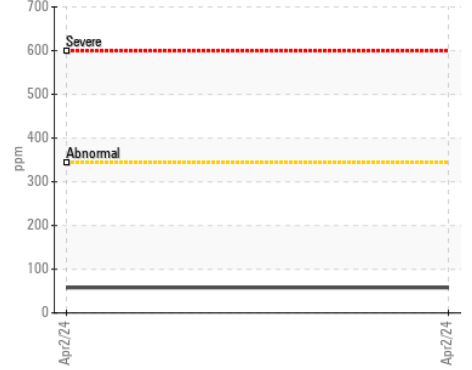
Lead (ppm)



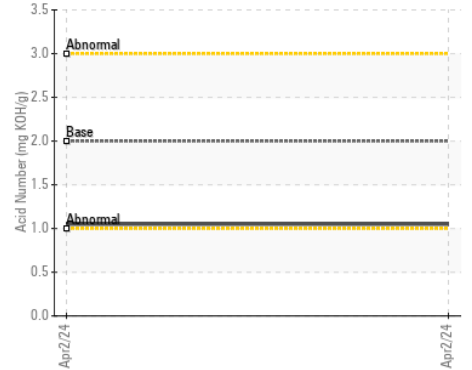
Chromium (ppm)



Silicon (ppm)



Acid Number



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Sample No. : PC0086857

Lab Number : 02628941

Unique Number : 5762073

Test Package : MOB 2 (Additional Tests: KV100, TAN Man, VI)

Received : 15 Apr 2024

Tested : 16 Apr 2024

Diagnosed : 17 Apr 2024 - Kevin Marson

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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