



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
ENTREPRISE S BESNER
Machine Id
LIEBHERR R936 NOUNITASF000266
Component
Reference New (Unused) Oil
Fluid
TOTAL BIOHYDRAN SE 46 (--- GAL)

RECOMMENDATION

Il s'agit du relevé de base de l'échantillon soumis.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASF	---	---
Sample Date		Client Info		01 Dec 2023	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		2500	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Chngd	---	---
Filter Changed		Client Info		Not Chngd	---	---
Sample Status				NORMAL	---	---

WEAR

{sans objet}

Iron	ppm	ASTM D5185(m)		0	---	---
Chromium	ppm	ASTM D5185(m)		0	---	---
Nickel	ppm	ASTM D5185(m)		0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)		<1	---	---
Lead	ppm	ASTM D5185(m)		0	---	---
Copper	ppm	ASTM D5185(m)		0	---	---
Tin	ppm	ASTM D5185(m)		8	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

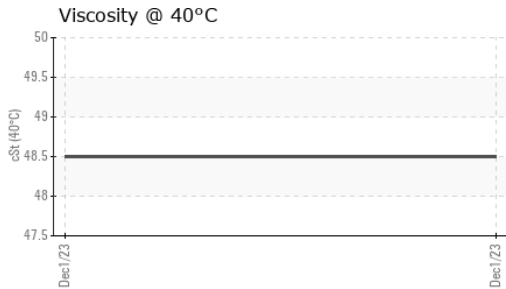
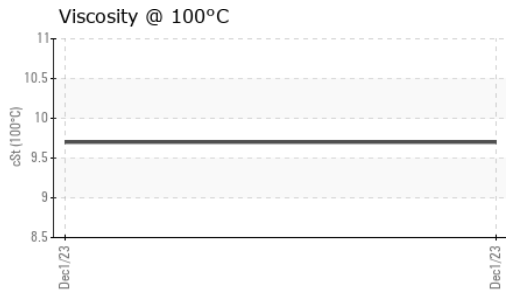
{sans objet}

Silicon	ppm	ASTM D5185(m)		0	---	---
Potassium	ppm	ASTM D5185(m)		<1	---	---
Water		WC Method		NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		3.7	---	---
Sulfation	Abs/.1mm	ASTM D7415*		154.7	---	---
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*		NEG	---	---

FLUID CONDITION

{sans objet}

Sodium	ppm	ASTM D5185(m)		<1	---	---
Boron	ppm	ASTM D5185(m)		1	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		0	---	---
Calcium	ppm	ASTM D5185(m)		<1	---	---
Phosphorus	ppm	ASTM D5185(m)		<1	---	---
Zinc	ppm	ASTM D5185(m)		<1	---	---
Sulfur	ppm	ASTM D5185(m)		1123	---	---
Oxidation	Abs/.1mm	ASTM D7414*		161.0	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		48.5	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		9.7	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		190	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : ASF **Recieved** : 22 Dec 2023
Lab Number : 02604942 **Diagnosed** : 02 Jan 2024
Unique Number : 5698027 **Diagnostician** : Bill Quesnel
Test Package : TEST (Additional Tests: FT-IR, ICP, KV100, KV40, Spat, 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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