



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
IRVING ZF PLUS 46
 Component
New (Unused) Oil
 Fluid
IRVING ZF PLUS 46 (540 LTR)

RECOMMENDATION

Il s'agit du relevé de base de cette huile neuve (inutilisée). Le fluide peut servir.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0069612	---	---
Sample Date		Client Info		14 May 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

{sans objet}

Iron	ppm	ASTM D5185(m)	>5	0	---	---
Chromium	ppm	ASTM D5185(m)	>5	0	---	---
Nickel	ppm	ASTM D5185(m)	>5	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>5	0	---	---
Aluminum	ppm	ASTM D5185(m)	>5	0	---	---
Lead	ppm	ASTM D5185(m)	>5	0	---	---
Copper	ppm	ASTM D5185(m)	>5	<1	---	---
Tin	ppm	ASTM D5185(m)	>5	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

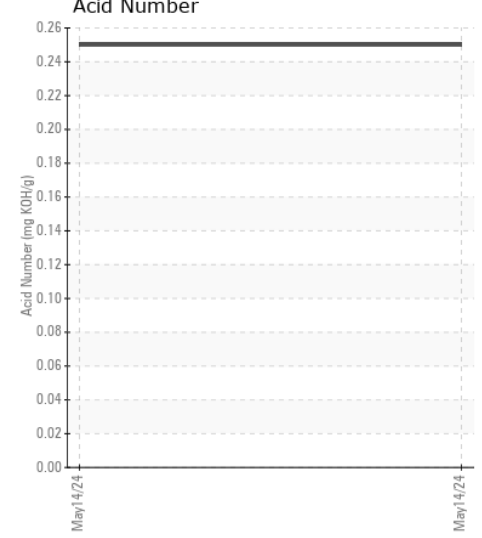
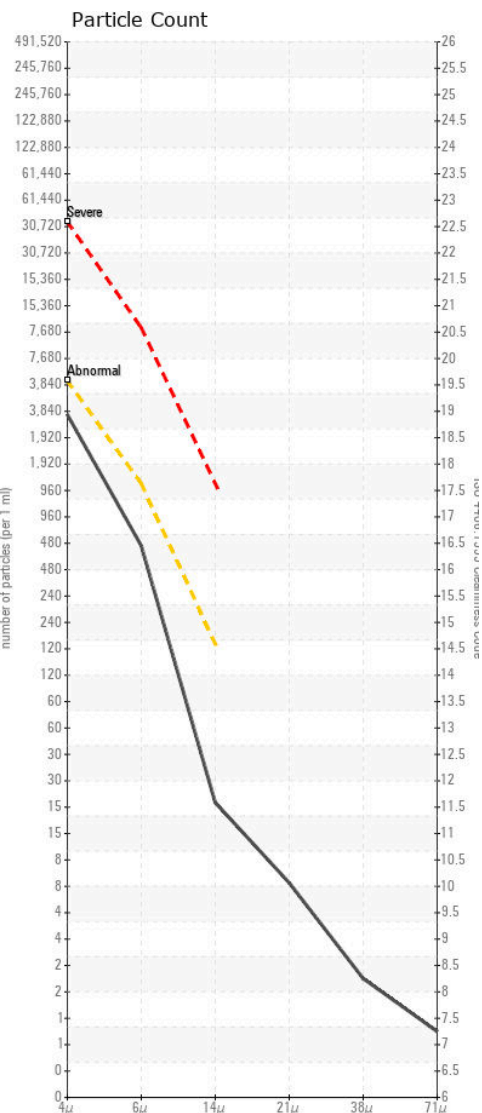
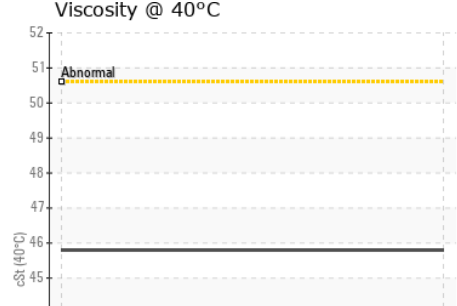
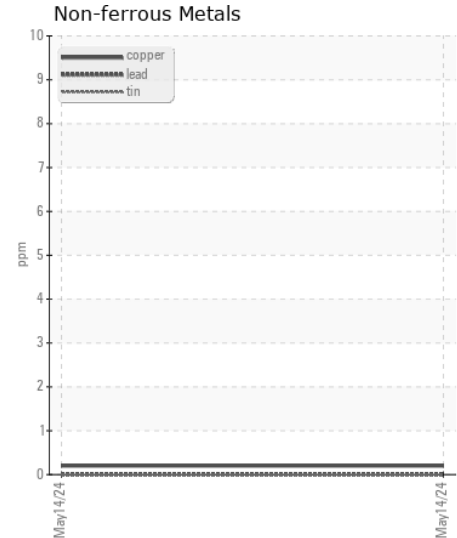
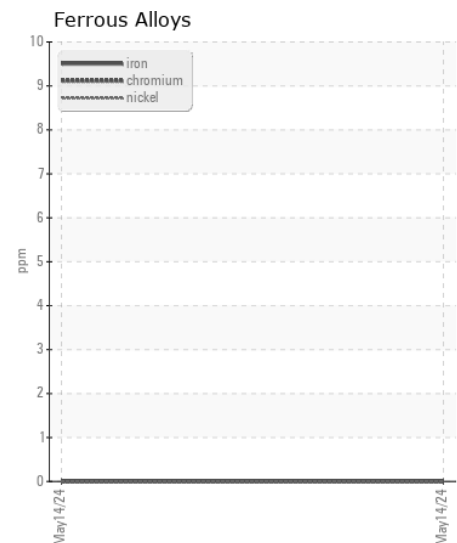
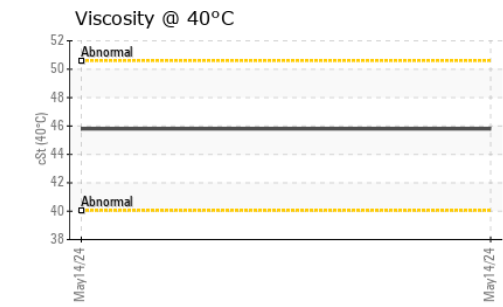
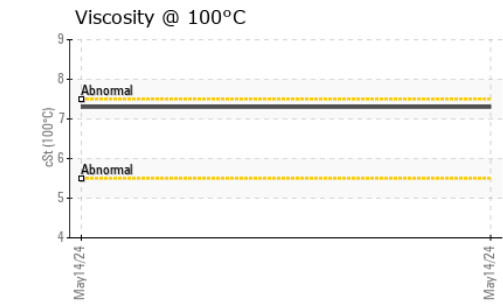
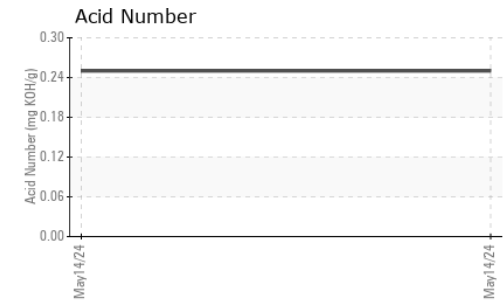
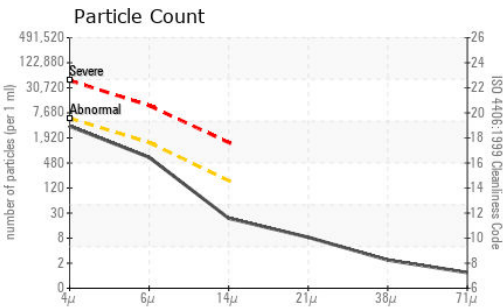
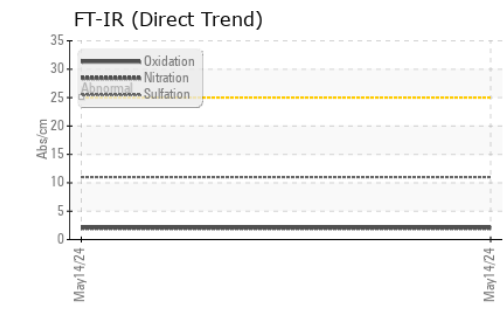
La propreté du système est acceptable pour votre objectif de propreté ISO 4406. Il n'y a aucun indice de contamination dans le huile (inutilisée) neuve.

Silicon	ppm	ASTM D5185(m)	>15	0	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water		WC Method		NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		2.0	---	---
Sulfation	Abs/.1mm	ASTM D7415*		11.0	---	---
Particles >4µm		ASTM D7647	>5000	3208	---	---
Particles >6µm		ASTM D7647	>1300	576	---	---
Particles >14µm		ASTM D7647	>160	20	---	---
Particles >21µm		ASTM D7647	>40	7	---	---
Particles >38µm		ASTM D7647	>10	2	---	---
Particles >71µm		ASTM D7647	>3	1	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/11	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*		NEG	---	---

FLUID CONDITION

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

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)		2	---	---
Calcium	ppm	ASTM D5185(m)		62	---	---
Phosphorus	ppm	ASTM D5185(m)		126	---	---
Zinc	ppm	ASTM D5185(m)		113	---	---
Sulfur	ppm	ASTM D5185(m)		718	---	---
Oxidation	Abs/.1mm	ASTM D7414*		2.1	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		0.25	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		45.8	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		7.3	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		121	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0069612
Lab Number : 02637141
Unique Number : 5786303
Test Package : IND 2 (Additional Tests: Bottom, FT-IR, ICP-NewOil, KV100, VI)

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 F: (418)621-0822

*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.*