



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
TDH SYN #A162311
 Component
Reference New (Unused) Oil
 Fluid
{not provided} (--- 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		05 Jun 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	<1	---	---
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	<1	---	---
Lead	ppm	ASTM D5185(m)	>5	0	---	---
Copper	ppm	ASTM D5185(m)	>5	0	---	---
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

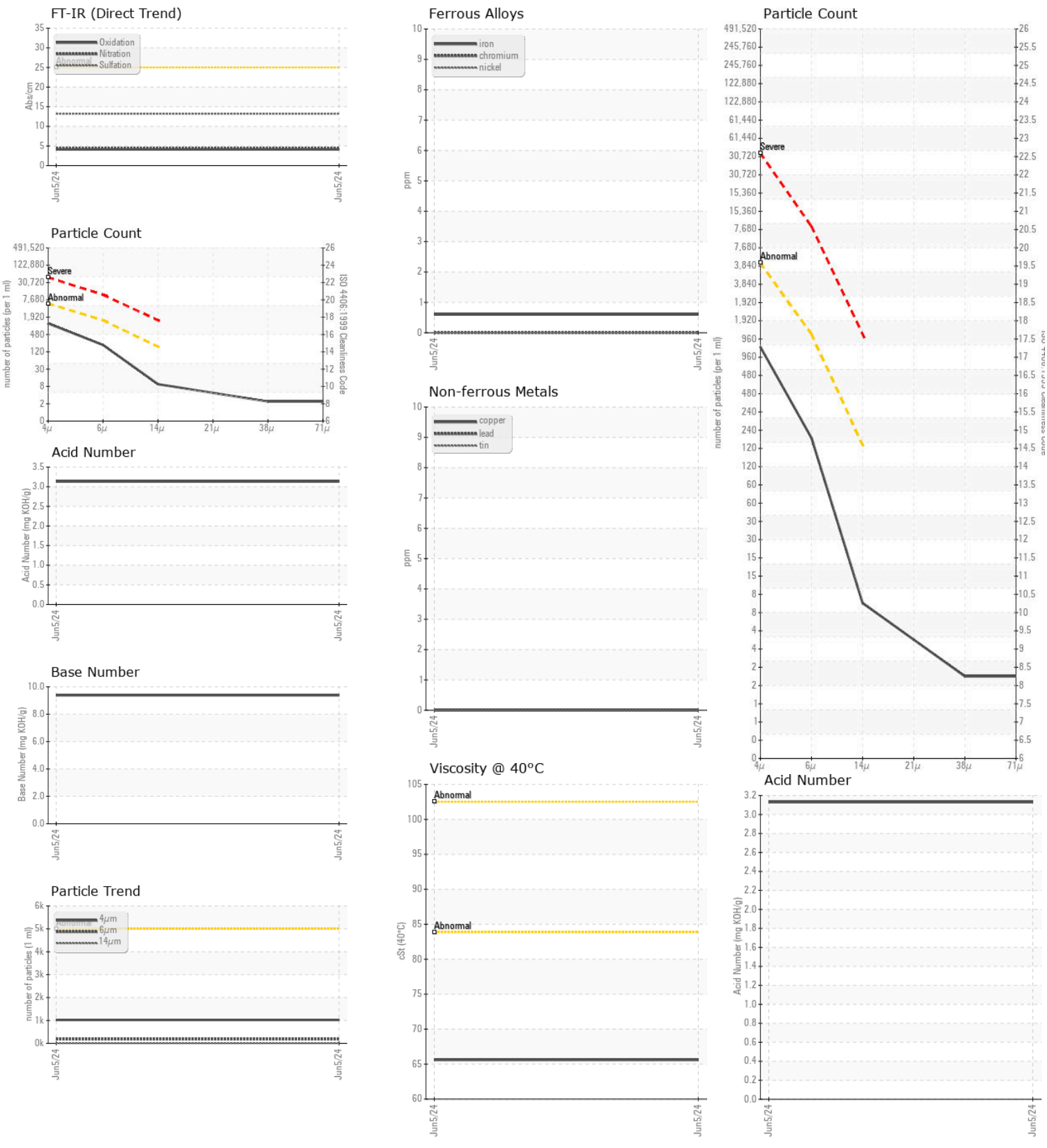
{sans objet}

Silicon	ppm	ASTM D5185(m)	>15	<1	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water		WC Method		NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		4.5	---	---
Sulfation	Abs/.1mm	ASTM D7415*		13.2	---	---
Particles >4µm		ASTM D7647	>5000	1020	---	---
Particles >6µm		ASTM D7647	>1300	182	---	---
Particles >14µm		ASTM D7647	>160	8	---	---
Particles >21µm		ASTM D7647	>40	4	---	---
Particles >38µm		ASTM D7647	>10	2	---	---
Particles >71µm		ASTM D7647	>3	2	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/10	---	---
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)		2	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		18	---	---
Calcium	ppm	ASTM D5185(m)		2967	---	---
Phosphorus	ppm	ASTM D5185(m)		1092	---	---
Zinc	ppm	ASTM D5185(m)		1182	---	---
Sulfur	ppm	ASTM D5185(m)		3072	---	---
Oxidation	Abs/.1mm	ASTM D7414*		4.1	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		3.13	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		9.38	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		65.6	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		10.7	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		153	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : ASF **Received** : 06 Jun 2024
Lab Number : 02640219 **Tested** : 11 Jun 2024
Unique Number : 5789381 **Diagnosed** : 11 Jun 2024 - Bill Quesnel
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TAN Man, TBN, Oil)

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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.