

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
ISEL ESTER GAS COMPRESSOR 6029-68 TOTE
 Component
New (Unused) Oil
 Fluid
{not provided} (--- GAL)

DIAGNOSIS

- Recommendation**
This is a baseline read-out on the submitted sample.
- Contamination**
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	TO10003442	---	---
Sample Date	Client Info	30 May 2024	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >5	0	---	---
Chromium	ppm ASTM D5185m >5	0	---	---
Nickel	ppm ASTM D5185m >5	0	---	---
Titanium	ppm ASTM D5185m	0	---	---
Silver	ppm ASTM D5185m >5	0	---	---
Aluminum	ppm ASTM D5185m >5	0	---	---
Lead	ppm ASTM D5185m >5	0	---	---
Copper	ppm ASTM D5185m >5	<1	---	---
Tin	ppm ASTM D5185m >5	<1	---	---
Vanadium	ppm ASTM D5185m	0	---	---
Cadmium	ppm ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	0	---	---
Barium	ppm ASTM D5185m	0	---	---
Molybdenum	ppm ASTM D5185m	0	---	---
Manganese	ppm ASTM D5185m	<1	---	---
Magnesium	ppm ASTM D5185m	0	---	---
Calcium	ppm ASTM D5185m	13	---	---
Phosphorus	ppm ASTM D5185m	416	---	---
Zinc	ppm ASTM D5185m	0	---	---
Sulfur	ppm ASTM D5185m	165	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	<1	---	---
Sodium	ppm ASTM D5185m	<1	---	---
Potassium	ppm ASTM D5185m >20	1	---	---
Water	% ASTM D6304	0.010	---	---
ppm Water	ppm ASTM D6304	104	---	---

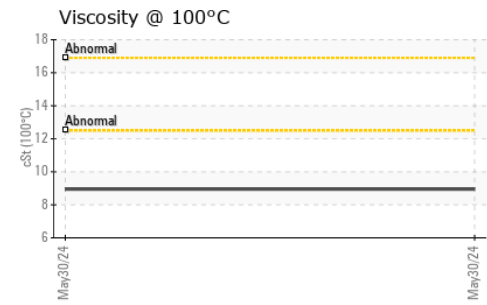
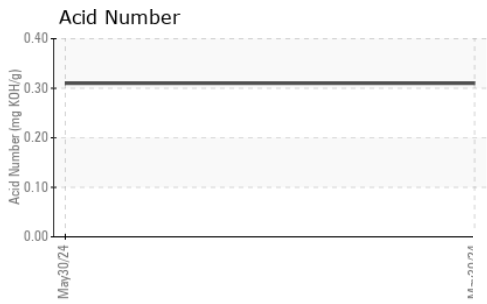
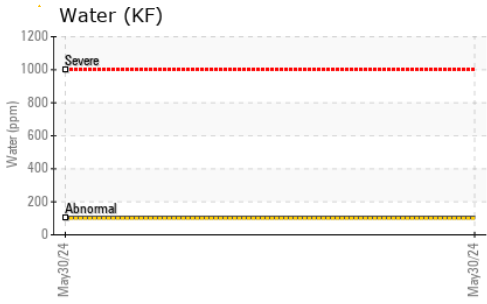
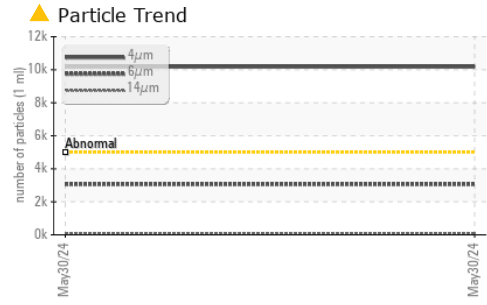
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	▲ 10175	---	---
Particles >6µm	ASTM D7647 >1300	▲ 3062	---	---
Particles >14µm	ASTM D7647 >160	101	---	---
Particles >21µm	ASTM D7647 >40	19	---	---
Particles >38µm	ASTM D7647 >10	0	---	---
Particles >71µm	ASTM D7647 >3	0	---	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	▲ 21/19/14	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.31	---	---

OIL ANALYSIS REPORT

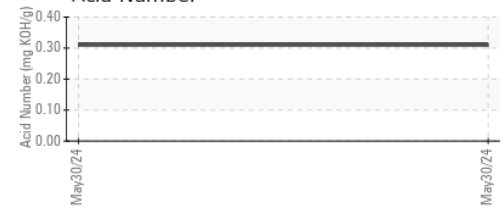
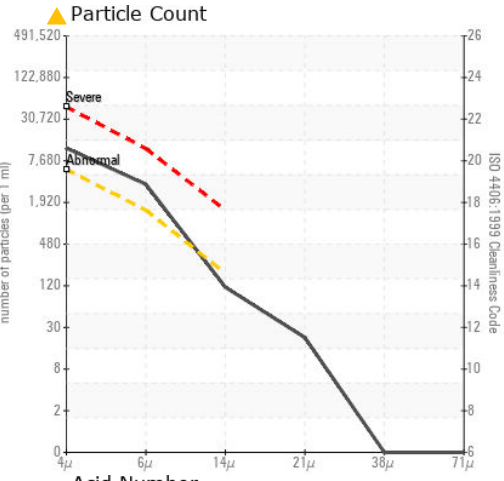
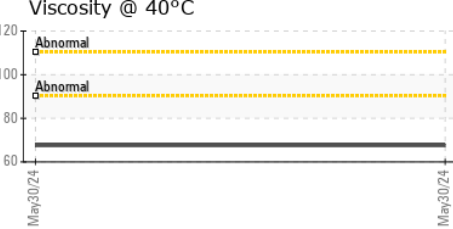
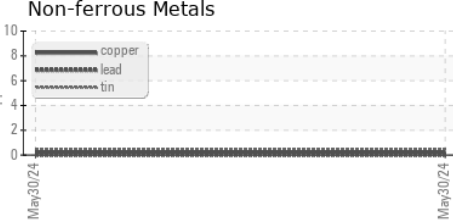
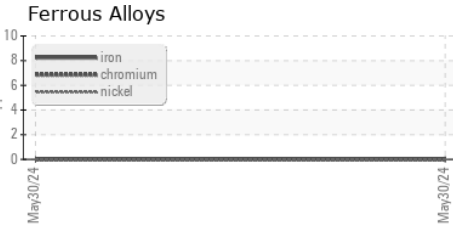


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67.58	---	---
Visc @ 100°C	cSt	ASTM D445	8.95	---	---
Viscosity Index (VI)	Scale	ASTM D2270	106	---	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO10003442 **Received** : 31 May 2024
Lab Number : 06197177 **Tested** : 04 Jun 2024
Unique Number : 11059300 **Diagnosed** : 04 Jun 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PrtCount, VI)

NEXT ERA - MCCOMMAS BLUFF
 DALLAS, TX
 US
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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F: