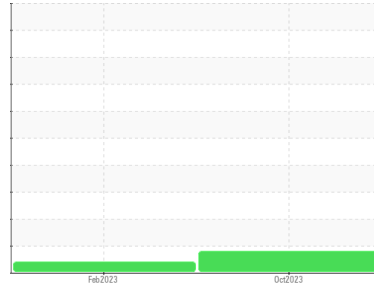




OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
VRU 2 PUMP 1

Component
Drive End Screw Compressor

Fluid
ROYAL PURPLE SYNFILM GT 100 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			RP0033519	RP0027829	---
Sample Date	Client Info			30 Oct 2023	16 Feb 2023	---
Machine Age	mths	Client Info		0	0	---
Oil Age	mths	Client Info		0	0	---
Oil Changed	Client Info			N/A	N/A	---
Sample Status				ATTENTION	ATTENTION	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>60	0	<1	---
Chromium	ppm	ASTM D5185m	>4	0	0	---
Nickel	ppm	ASTM D5185m		0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>5	<1	<1	---
Lead	ppm	ASTM D5185m	>10	0	0	---
Copper	ppm	ASTM D5185m	>30	8	4	---
Tin	ppm	ASTM D5185m	>15	0	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
Cadmium	ppm	ASTM D5185m		0	0	---

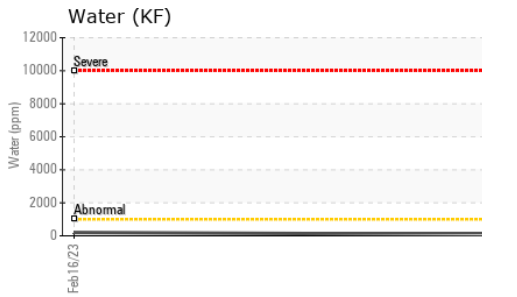
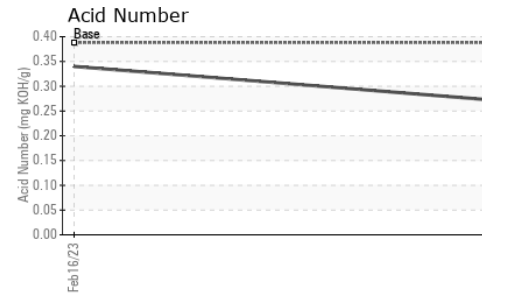
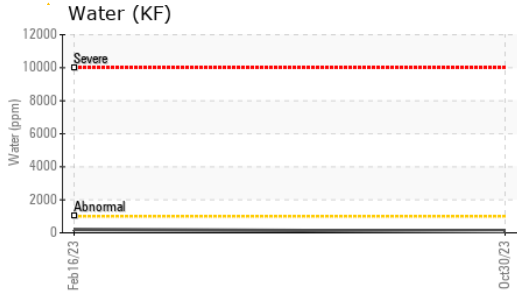
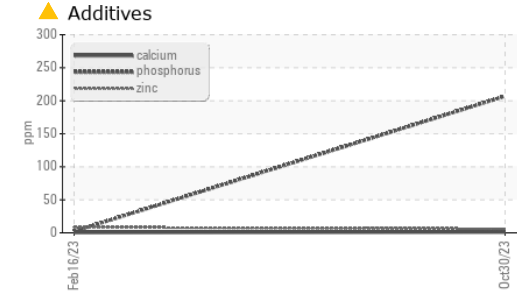
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	<1	---
Manganese	ppm	ASTM D5185m		<1	1	---
Magnesium	ppm	ASTM D5185m	90	30	53	---
Calcium	ppm	ASTM D5185m		1	<1	---
Phosphorus	ppm	ASTM D5185m	35	▲ 207	2	---
Zinc	ppm	ASTM D5185m		6	8	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	4	---
Sodium	ppm	ASTM D5185m		0	3	---
Potassium	ppm	ASTM D5185m	>20	0	5	---
Water	%	ASTM D6304	>0.1	0.008	0.020	---
ppm Water	ppm	ASTM D6304	>1000	86	202.2	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.388	0.27	0.34	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	LIGHT	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---

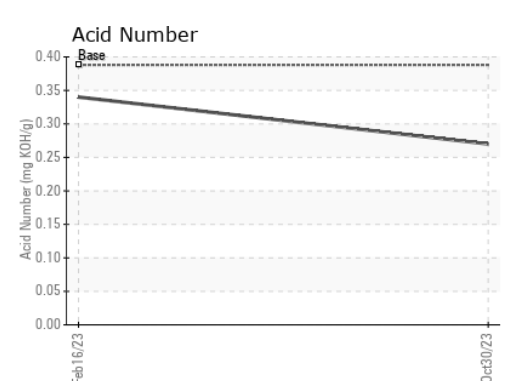
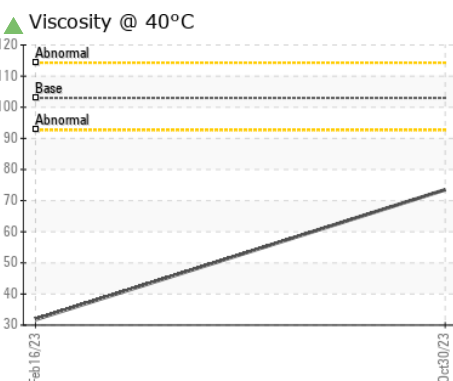
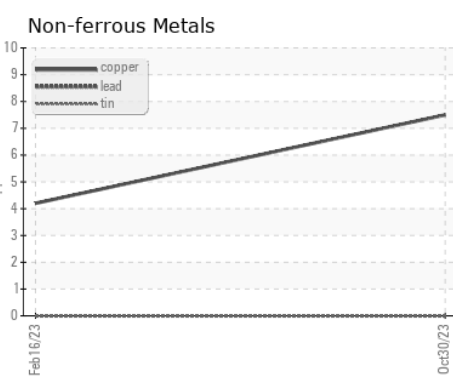
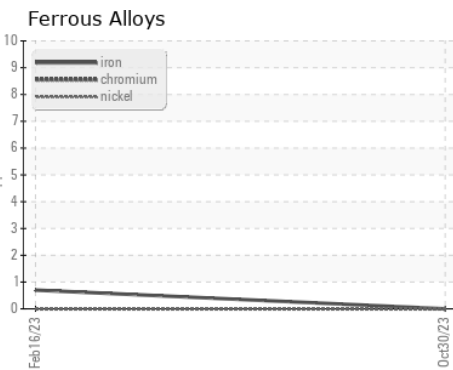
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 103	▲ 73.5	▲ 31.8	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0033519 **Received** : 17 Jan 2024
Lab Number : 06062890 **Diagnosed** : 19 Jan 2024
Unique Number : 10834272 **Diagnostician** : Don Baldrige
Test Package : IND 2

MAGELLAN MIDSTREAM - EH TERMINAL
 7901 WALLISVILLE RD
 HOUSTON, TX
 US 77029
 Contact: LOGAN SEYL
 logan.seyl@magellanlp.com
 T:
 F:

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)