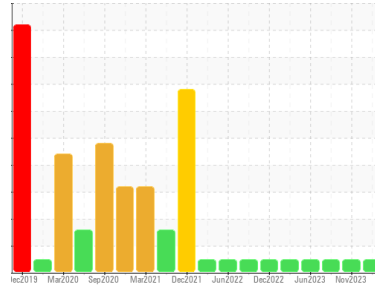




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
INK4_U2120 INK4_U2120_SS2120

Component
Drive End Seal Pot

Fluid
ROYAL PURPLE BARRIER FLUID FDA22 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Insufficient sample was received to conduct all the routine laboratory tests. There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	RP0025910	RP0026149	RP0033802
Sample Date	Client Info	20 Feb 2024	15 Nov 2023	25 Sep 2023
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>20	0	---	0
Chromium	ppm	ASTM D5185m	>20	0	---	0
Nickel	ppm	ASTM D5185m	>20	0	---	<1
Titanium	ppm	ASTM D5185m		0	---	0
Silver	ppm	ASTM D5185m		0	---	0
Aluminum	ppm	ASTM D5185m	>20	0	---	0
Lead	ppm	ASTM D5185m	>20	0	---	0
Copper	ppm	ASTM D5185m	>20	0	---	0
Tin	ppm	ASTM D5185m	>20	<1	---	0
Vanadium	ppm	ASTM D5185m		0	---	0
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	---	0
Manganese	ppm	ASTM D5185m		<1	---	0
Magnesium	ppm	ASTM D5185m		0	---	0
Calcium	ppm	ASTM D5185m		<1	---	0
Phosphorus	ppm	ASTM D5185m		0	---	1
Zinc	ppm	ASTM D5185m		0	---	0

CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>15	<1	---	<1
Sodium	ppm	ASTM D5185m		<1	---	0
Potassium	ppm	ASTM D5185m	>20	<1	---	<1
Water	%	ASTM D6304	>0.05	0.002	0.007	0.006
ppm Water	ppm	ASTM D6304	>500	25	76	68.7

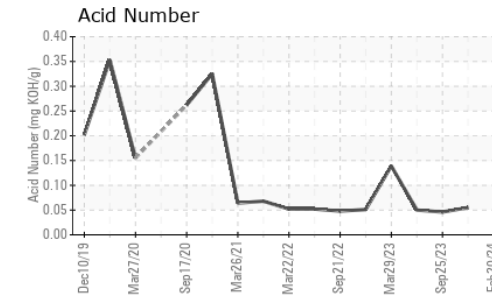
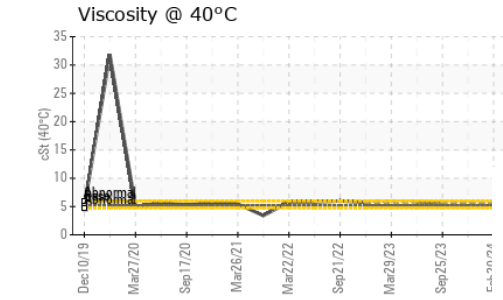
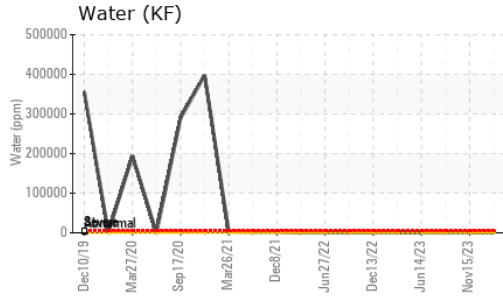
FLUID DEGRADATION

method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D8045		---	0.055	0.046

VISUAL

method	limit/base	current	history1	history2		
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	---	---

OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	5.2	5.51	---	5.68

SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color

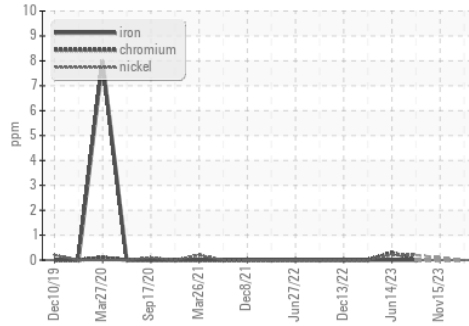


Bottom

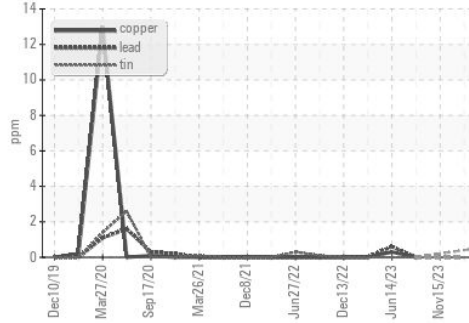


GRAPHS

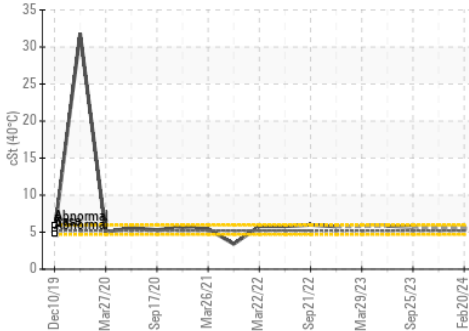
Ferrous Alloys



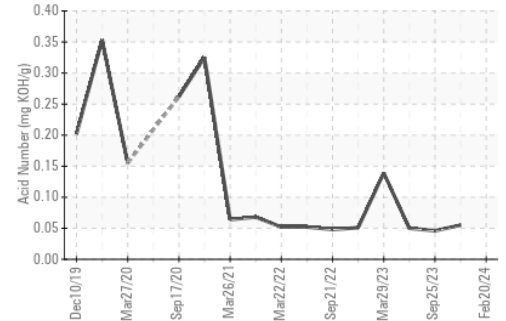
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0025910
Lab Number : **06097344**
Unique Number : 10890197
Test Package : PLANT

Received : 22 Feb 2024
Tested : 26 Feb 2024
Diagnosed : 26 Feb 2024 - Jonathan Hester

ENERGY TRANSFER - INKSTER
 7155 INKSTER ROAD
 TAYOR, MI
 US 48180
 Contact: NATHAN HOLMES
 nathan.holmes@energytransfer.com

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)

T:
F: