



**PERFORMANCE
UNDER
PRESSURE**

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
INK4_U2120 INK4_U2120_P2120
Component
Non-Drive End Pump
Fluid
ROYAL PURPLE SYNFILM GT 32 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

The copper level is abnormal. All other component wear rates are normal.

CONTAMINATION

The water content is negligible. There is no indication of any contamination in the oil.

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

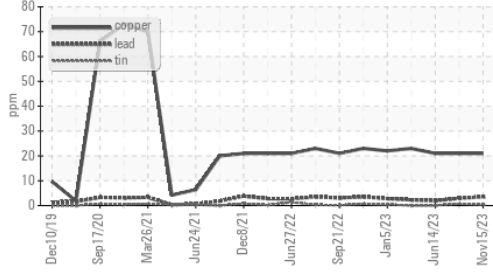
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RP0026146	RP0033794	RP0026015
Sample Date		Client Info		15 Nov 2023	25 Sep 2023	14 Jun 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

Iron	ppm	ASTM D5185m	>75	1	<1	3
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m		<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>5	0	<1	<1
Lead	ppm	ASTM D5185m	>10	4	3	2
Copper	ppm	ASTM D5185m	>15	▲ 21	▲ 21	▲ 21
Tin	ppm	ASTM D5185m		<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

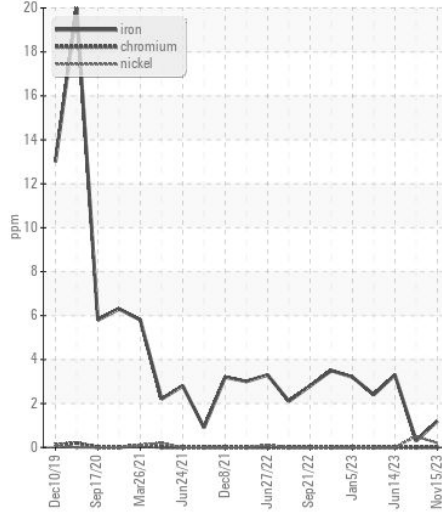
Silicon	ppm	ASTM D5185m	>20	<1	<1	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>.1	0.020	0.025	0.016
ppm Water	ppm	ASTM D6304	>1000	203	253.5	164.0
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.1	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		<1	1	<1
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		71	51	76
Calcium	ppm	ASTM D5185m		2	3	2
Phosphorus	ppm	ASTM D5185m		4	1	0
Zinc	ppm	ASTM D5185m		0	2	0
Acid Number (AN)	mg KOH/g	ASTM D8045		0.433	0.445	0.443
Visc @ 40°C	cSt	ASTM D445	32	32.1	32.5	31.9

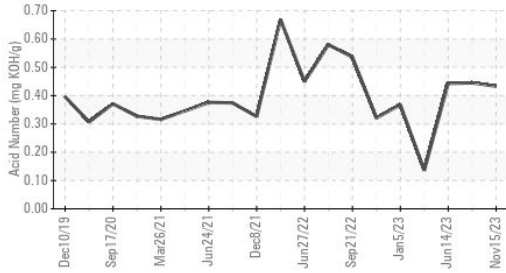
▲ Non-ferrous Metals



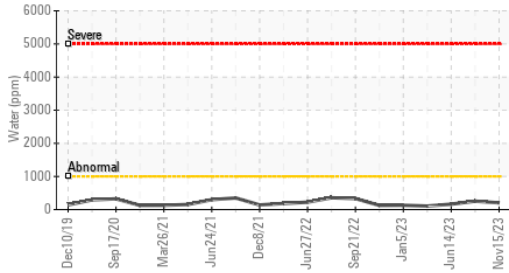
Ferrous Alloys



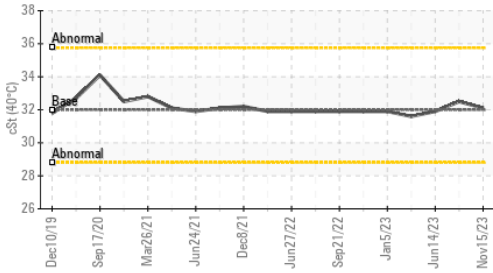
Acid Number



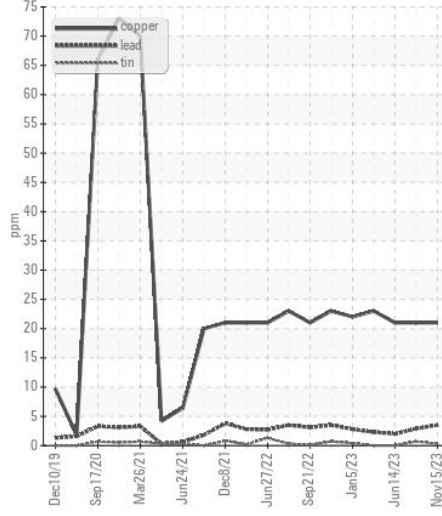
Water (KF)



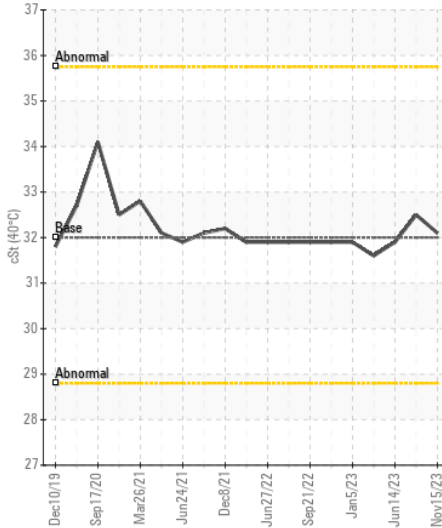
Viscosity @ 40°C



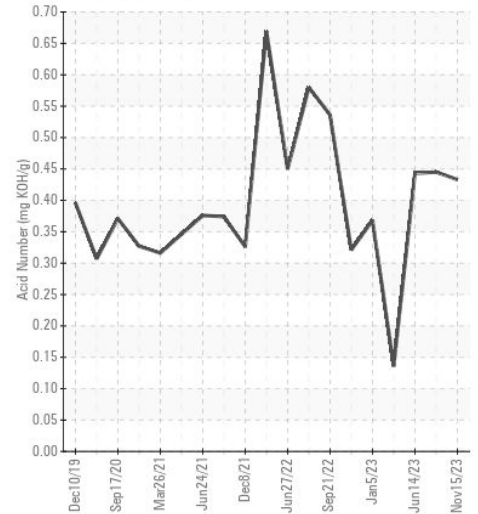
▲ Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0026146 **Received** : 24 Nov 2023
Lab Number : 06016484 **Diagnosed** : 28 Nov 2023
Unique Number : 10755628 **Diagnostician** : Jonathan Hester
Test Package : PLANT

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)

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