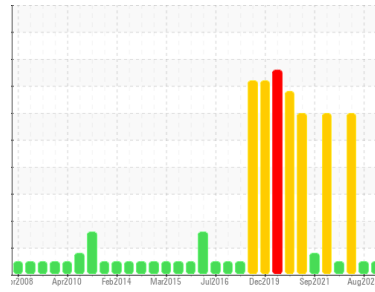




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
356-120-30 GEARBOX ACCEPT CHIP CONV (S/N NB01130-356.XX120.30)
 Component
Gearbox
 Fluid
ROYAL PURPLE SYNFILM GT 150 (3 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			RP0043342	RP0008484	WC0432475
Sample Date	Client Info			28 Mar 2024	09 Aug 2023	08 Mar 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	SEVERE

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	6	0	▲ 3004
Chromium	ppm	ASTM D5185m	>15	0	0	11
Nickel	ppm	ASTM D5185m	>15	0	0	1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	2	4
Lead	ppm	ASTM D5185m	>100	0	0	2
Copper	ppm	ASTM D5185m	>200	3	<1	196
Tin	ppm	ASTM D5185m	>25	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0

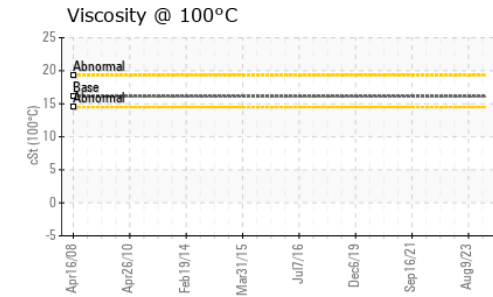
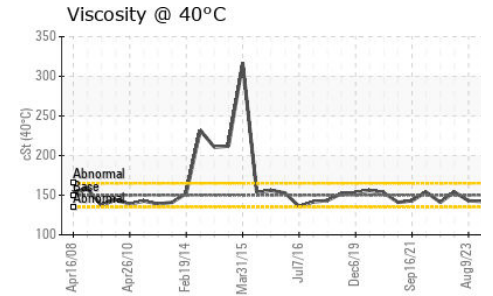
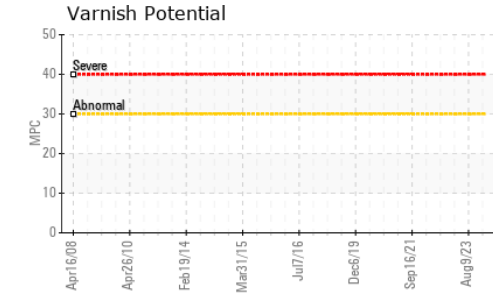
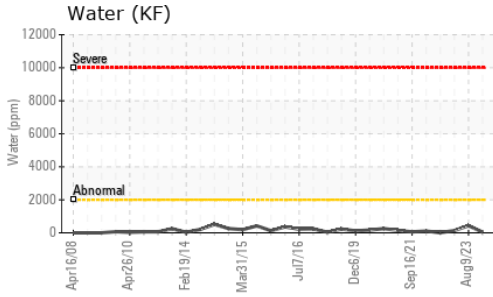
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	<1	16
Magnesium	ppm	ASTM D5185m		0	85	16
Calcium	ppm	ASTM D5185m		0	1	0
Phosphorus	ppm	ASTM D5185m		13	2	27
Zinc	ppm	ASTM D5185m		0	0	51

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	37	<1	7
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.2	0.003	0.043	0.013
ppm Water	ppm	ASTM D6304	>2000	40	431.2	137.8

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.45	0.43	0.45

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	MODER
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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

OIL ANALYSIS REPORT



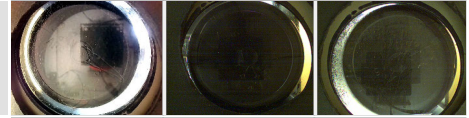
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	142	143	154

SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color



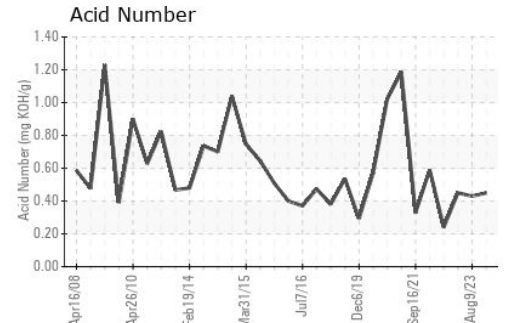
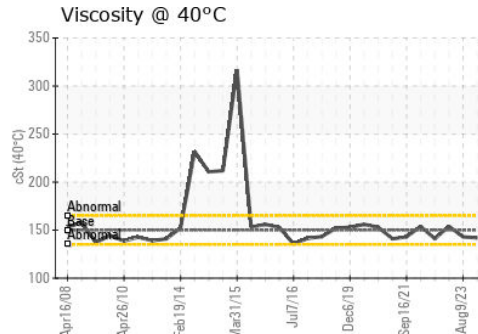
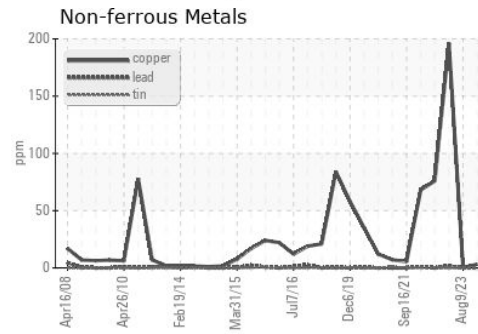
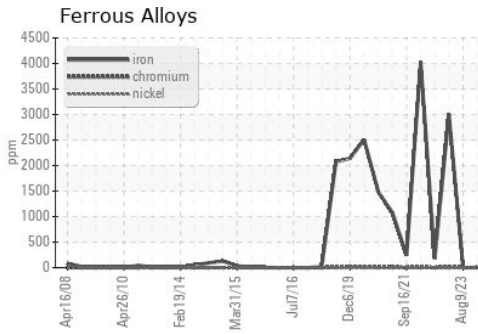
Bottom



MPC



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0043342
Lab Number : **06137514**
Unique Number : 10956979
Test Package : IND 2 (Additional Tests: KV100, MPC, PrtCount, RULER, VI)
Received : 03 Apr 2024
Tested : 12 Apr 2024
Diagnosed : 12 Apr 2024 - Doug Bogart

INTERNATIONAL PAPER
 1785 Weyerhaeuser Road
 VANCEBORO, NC
 US 28586
 Contact: DOUG WEIR

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

Doug.Weir@paper.com;jon.fazenbaker@wearcheck.com

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

T: (252)633-7350

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

F: (252)633-7761