PLANT

ROYAL PURPLE PERFORMANCE UNDER PRESSURE

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
TOL5_U2120 TOL5_U2120_SS2120
Component
Non-Drive End Seal Pot
Fluid
ROYAL PURPLE BARRIER FLUID GT22 (7 GAL)

RECOMMENDATION

We advise that you check for the source of water entry. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

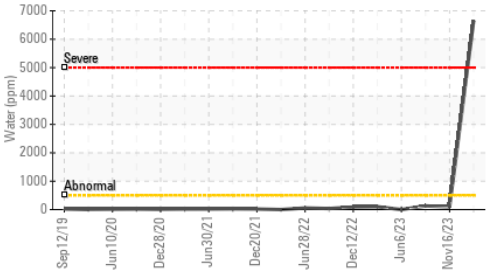
There is a moderate concentration of water present in the oil.

FLUID CONDITION

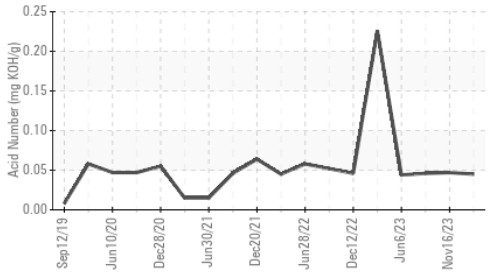
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RP0025902	RP0034024	RP0026158
Sample Date		Client Info		21 Feb 2024	16 Nov 2023	25 Sep 2023
Machine Age	hrs	Client Info		5	5	5
Oil Age	hrs	Client Info		5	5	5
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	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>20	0	---	0
Chromium	ppm	ASTM D5185m	>20	0	---	0
Nickel	ppm	ASTM D5185m	>20	0	---	0
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	0	---	0
Vanadium	ppm	ASTM D5185m		0	---	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>15	3	---	6
Potassium	ppm	ASTM D5185m	>20	0	---	0
Water	%	ASTM D6304	>0.05	▲ 0.664	0.009	0.012
ppm Water	ppm	ASTM D6304	>500	▲ 6647	96	129.7
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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
Sodium	ppm	ASTM D5185m		<1	---	<1
Boron	ppm	ASTM D5185m		0	---	0
Barium	ppm	ASTM D5185m		0	---	0
Molybdenum	ppm	ASTM D5185m		0	---	0
Manganese	ppm	ASTM D5185m		0	---	0
Magnesium	ppm	ASTM D5185m		<1	---	4
Calcium	ppm	ASTM D5185m		2	---	0
Phosphorus	ppm	ASTM D5185m		0	---	16
Zinc	ppm	ASTM D5185m		0	---	0
Acid Number (AN)	mg KOH/g	ASTM D8045		0.045	0.047	0.046
Visc @ 40°C	cSt	ASTM D445	5.2	6.02	---	5.99

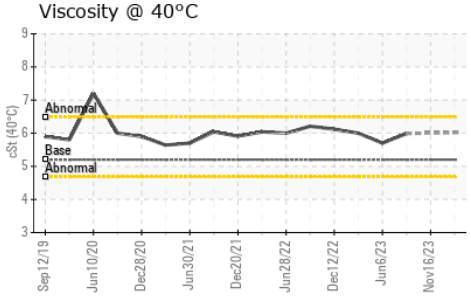
Water (KF)



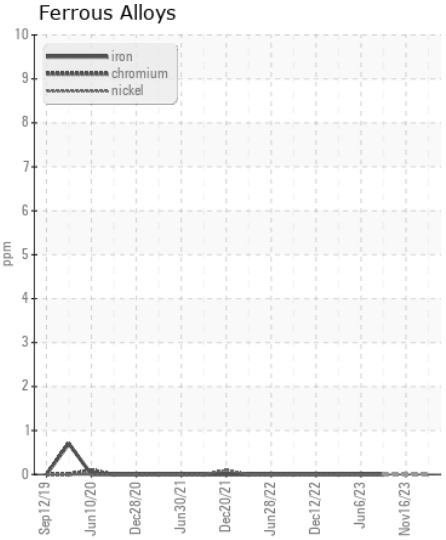
Acid Number



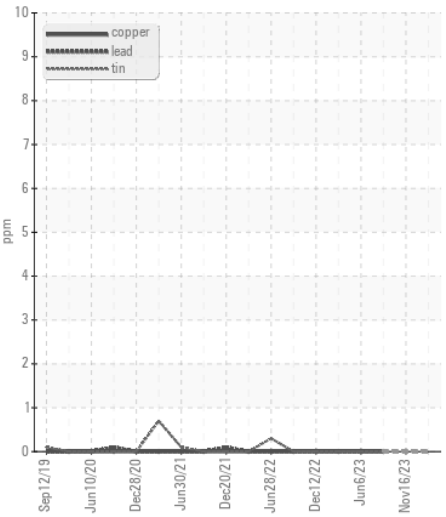
Viscosity @ 40°C



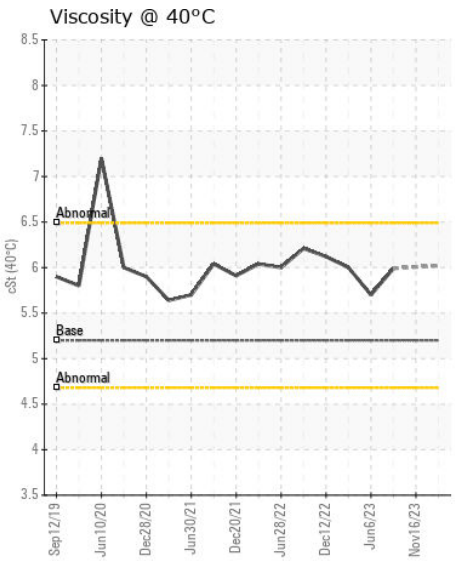
Ferrous Alloys



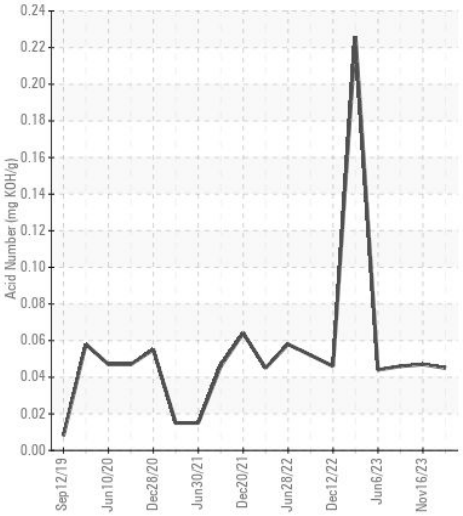
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0025902
Lab Number : 06102136
Unique Number : 10900366
Test Package : PLANT

Received : 27 Feb 2024
Tested : 01 Mar 2024
Diagnosed : 01 Mar 2024 - Jonathan Hester

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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