



OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY



Area

{UNASSIGNED}

Machine Id

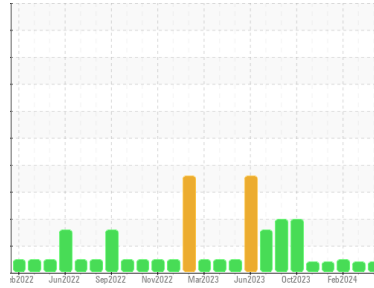
P-1301B PUMP (S/N R11Q6290AX-01)

Component

Gearbox

Fluid

ROYAL PURPLE SYNFILM GT 150 (3 GAL)



DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

Sample Number	Client Info	method	limit/base	current	history1	history2
RP0043772	Client Info			RP0043772	RP0042959	RP0042460
22 Mar 2024	Client Info			22 Mar 2024	01 Mar 2024	12 Feb 2024
71916	Client Info			71916	71816	71816
7581	Client Info			7581	7481	7481
Not Chngd	Client Info			Not Chngd	Not Chngd	Not Chngd
ATTENTION	Client Info			ATTENTION	ATTENTION	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron	ASTM D5185m >200	7	7	2
Chromium	ASTM D5185m >15	<1	<1	0
Nickel	ASTM D5185m >15	<1	0	<1
Titanium	ASTM D5185m	0	<1	<1
Silver	ASTM D5185m	0	0	0
Aluminum	ASTM D5185m >25	<1	2	<1
Lead	ASTM D5185m >100	<1	0	<1
Copper	ASTM D5185m >200	9	0	1
Tin	ASTM D5185m >25	0	0	<1
Vanadium	ASTM D5185m	0	0	0
Cadmium	ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ASTM D5185m	0	0	0
Barium	ASTM D5185m	0	0	0
Molybdenum	ASTM D5185m	41	10	6
Manganese	ASTM D5185m	0	0	<1
Magnesium	ASTM D5185m	1202	312	225
Calcium	ASTM D5185m	1181	307	182
Phosphorus	ASTM D5185m	1032	248	196
Zinc	ASTM D5185m	1295	307	230

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ASTM D5185m >50	6	4	4
Sodium	ASTM D5185m	2	0	2
Potassium	ASTM D5185m >20	0	<1	2
Water	ASTM D6304 >0.2	0.048	0.002	0.030
ppm Water	ASTM D6304 >2000	490	18	305

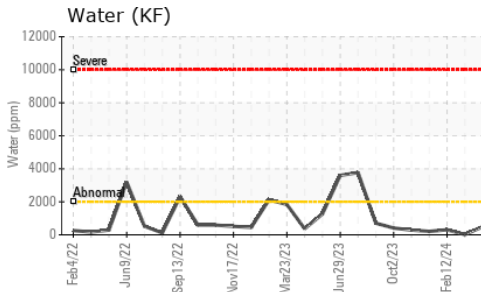
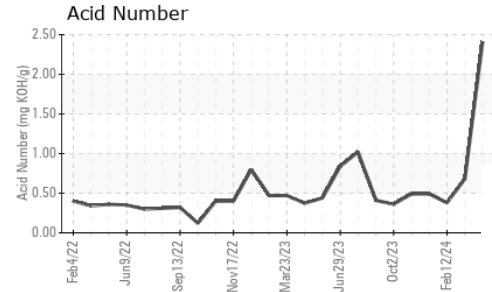
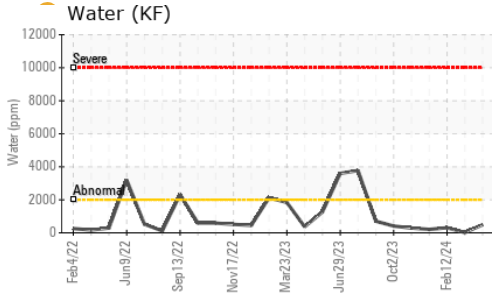
FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	2.41	0.68	0.380

VISUAL

method	limit/base	current	history1	history2
White Metal	*Visual NONE	NONE	NONE	NONE
Yellow Metal	*Visual NONE	NONE	NONE	NONE
Precipitate	*Visual NONE	NONE	NONE	NONE
Silt	*Visual NONE	NONE	NONE	NONE
Debris	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	*Visual NONE	NONE	NONE	NONE
Appearance	*Visual NORML	NORML	NORML	NORML
Odor	*Visual NORML	NORML	NORML	NORML
Emulsified Water	*Visual >0.2	NEG	NEG	NEG
Free Water	*Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	85.4	177

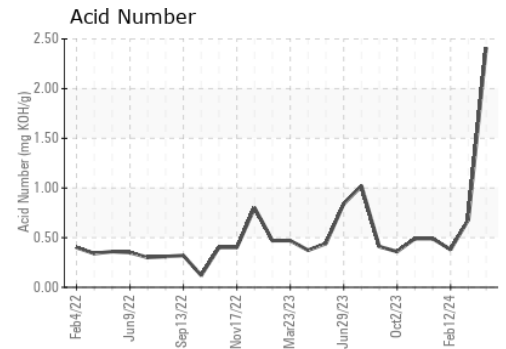
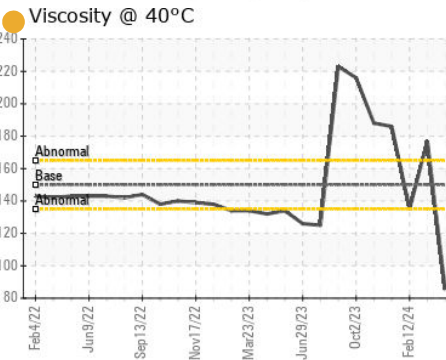
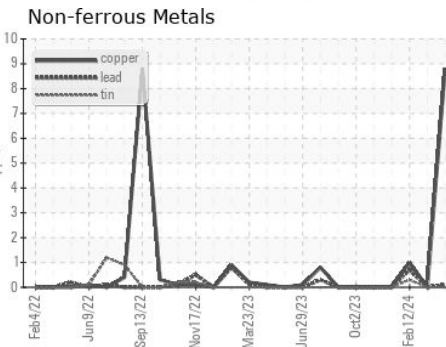
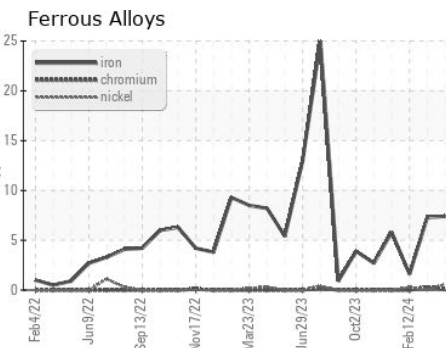
SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color



Bottom

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : RP0043772

Lab Number : 06133479

Unique Number : 10952944

Test Package : IND 2

Received : 29 Mar 2024

Tested : 01 Apr 2024

Diagnosed : 03 Apr 2024 - Jonathan Hester

TEAM SUR S.A.S.

BOGOTA,
CO

Contact: Team Sur
jconde@teamsur.com

T: (300)740-0654

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)