

PROBLEM SUMMARY

Sample Rating Trend

DEGRADATION

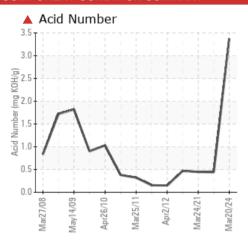
Machine Id **455-083-30**

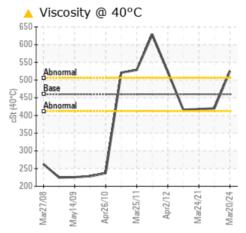
Component

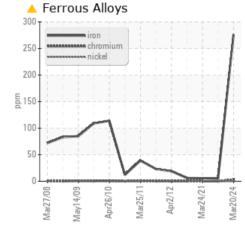
Gearbox

ROYAL PURPLE SYNFILM GT 460 (--- QTS)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

We advise that you check for a possible overheat condition. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS										
Sample Status				SEVERE	NORMAL	NORMAL				
Iron	ppm	ASTM D5185m	>200	276	5	6				
Acid Number (AN)	mg KOH/g	ASTM D8045		3.37	0.442	0.448				
Visc @ 40°C	cSt	ASTM D445	460	525	420	418				

Customer Id: WEYNEW Sample No.: WC0432501 Lab Number: 06130731 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 ihester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS Action **Status** Date Done By Description We recommend that you drain the oil from the component if this has not ? Change Fluid already been done. Resample ? We recommend an early resample to monitor this condition. Check For ? We advise that you check for a possible overheat condition. Overheating

HISTORICAL DIAGNOSIS

13 Sep 2021 Diag: Angela Borella

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



24 Mar 2021 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

View report

13 Jan 2021 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend

Mar2009 Mar2009 Apr2010 Mar2011 Apr2012 Mar2021 Mar2024



Machine Id **455-083-30**

Component

Gearbox

ROYAL PURPLE SYNFILM GT 460 (--- QTS)

DIAGNOSIS

▲ Recommendation

We advise that you check for a possible overheat condition. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

Gear wear is indicated.

Contamination

There is no indication of any contamination in the oil

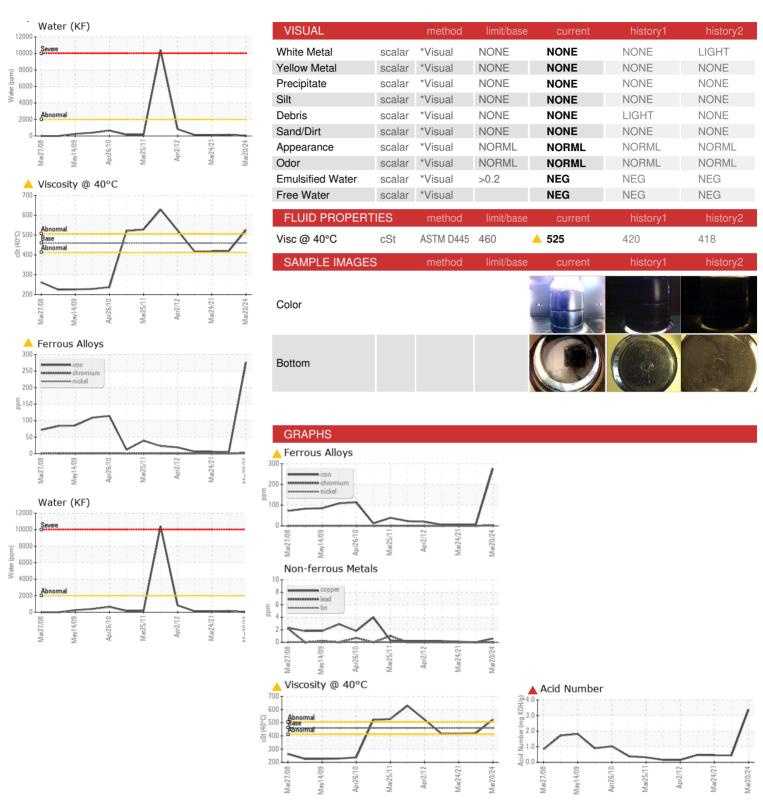
▲ Fluid Condition

The AN level is above the recommended limit. The oil viscosity is higher than normal.

		Mar2008 N	Aay2009 Apr2010	Mar2011 Apr2012 Mar202	Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0432501	RP0008468	RP0003366
Sample Date		Client Info		20 Mar 2024	13 Sep 2021	24 Mar 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	276	5	6
Chromium	ppm	ASTM D5185m	>15	3	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	1	0	<1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	<1	0	<1
Tin	ppm	ASTM D5185m	>25	0	0	0
Antimony	ppm	ASTM D5185m	>5		0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	<1	10
Barium	ppm	ASTM D5185m		4	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		3	<1	<1
Magnesium	ppm	ASTM D5185m	90	4	18	16
Calcium	ppm	ASTM D5185m		32	0	0
Phosphorus	ppm	ASTM D5185m		275	10	3
Zinc	ppm	ASTM D5185m		4	6	11
Sulfur	ppm	ASTM D5185m		25821	13947	16739
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	12	<1	0
Sodium	ppm	ASTM D5185m		3	0	0
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water	%	ASTM D6304	>0.2	0.002	0.015	0.011
ppm Water	ppm	ASTM D6304	>2000	16	154.6	116.4
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		▲ 3.37	0.442	0.448



OIL ANALYSIS REPORT







Report Id: WEYNEW [WUSCAR] 06130731 (Generated: 04/01/2024 11:17:35) Rev: 1

Laboratory Sample No. Lab Number Unique Number: 10950196

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

: WC0432501 : 06130731

Received **Tested**

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

: 28 Mar 2024 Diagnosed Test Package : IND 2 (Additional Tests: KF)

: 01 Apr 2024 - Jonathan Hester

: 27 Mar 2024

INTERNATIONAL PAPER

1785 Weyerhaeuser Road VANCEBORO, NC US 28586

Contact: DOUG WEIR

F: (252)633-7761

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. Doug. Weir@ipaper.com; jon.fazenbaker@wearcheck.comT: (252)633-7350

Contact/Location: DOUG WEIR - WEYNEW