

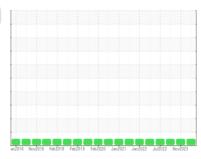
OIL ANALYSIS REPORT

CTL74

CTL 74 LEVELER REDUCER (S/N 16-5210-0210)

Gearbox

ROYAL PURPLE SYNFILM GT 220 (--- QTS)



Sample Rating Trend



Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All 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.

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0042489	RP0035320	RP0029619
Sample Date		Client Info		28 May 2024	02 Nov 2023	17 Apr 2023
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				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		22	11	86
Iron	ppm	ASTM D5185m	>200	8	7	71
Chromium	ppm	ASTM D5185m	>15	<1	<1	<1
Nickel	ppm	ASTM D5185m	>15	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		1	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	2
Lead	ppm	ASTM D5185m	>100	<1	0	0
Copper	ppm	ASTM D5185m	>200	1	<1	1
Tin	ppm	ASTM D5185m	>25	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1	1	1
Barium	ppm	ASTM D5185m		0	19	0
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		<1	0	1
Magnesium	ppm	ASTM D5185m		<1	<1	2
Calcium	ppm	ASTM D5185m		24	32	26
Phosphorus	ppm	ASTM D5185m		104	143	137
Zinc	ppm	ASTM D5185m		5	12	9
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	8	6	5
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	1	<1	<1
Water	%	ASTM D6304	>0.2	0.003	0.006	0.008
ppm Water	ppm	ASTM D6304	>2000	31	63.9	85.5
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
A : 1 A 1	1/011/	10T11 D0015				

0.29

Acid Number (AN)

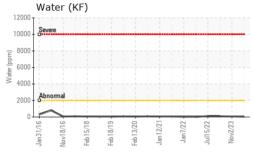
mg KOH/g ASTM D8045

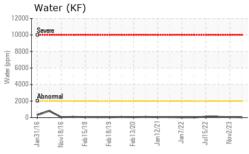
0.23

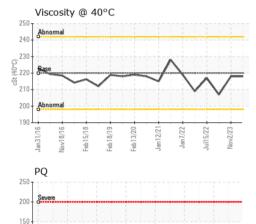
0.37



OIL ANALYSIS REPORT







VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
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
FLUID PROPERT	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	218	218	207

SAMPLE IMAGES	method		history2

Color





GRAPHS	
Ferrous Alloys	PQ
or iron chromium nickel	220 Severe
Jan 31 / 16 Feb 15 / 18 Feb 13 / 20 Jan 12 / 21 Jan 12 / 22 Jan 15	160 140
Non-ferrous Metals	100 - Abnormal
copper lead tin	80 60 40 20
Jan31/16 Nov18/16 Feb 15/18 Feb 13/20 Jan7/22 Jul15/22	Aug20/18
Viscosity @ 40°C	Acid Number
Abnomal	Acid Mumber (mg KOH/g) (mg NOH/g)
O Abnormal	0.00 Mmhp



PO 100



Certificate 12367

Laboratory Sample No.

: RP0042489 Lab Number : 06194128 Unique Number : 11056251

cSt (40°C)

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

: 29 May 2024 **Tested** Diagnosed

: 30 May 2024 : 30 May 2024 - Wes Davis

Test Package : IND 2 (Additional Tests: PQ) 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)

OUTOKUMPU STAINLESS USA

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F: x: