

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



CONNECTION BAY **HBB SCRAP CHOPPER O/S**

Component Gearbox

GEAR OIL ISO 320 (--- QTS)

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Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

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

		Nov2018	Oct2019 Aug2020	Oct2021 Sep2022 Jan2023	May2023	
SAMPLE INFORM	NOITAN	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0034509	RP0031282	RP0031402
Sample Date		Client Info		26 May 2023	28 Feb 2023	16 Jan 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	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		45	53	13
Iron	ppm	ASTM D5185m	>200	75	<u>▲</u> 164	14
Chromium	ppm	ASTM D5185m	>15	5	10	<1
Nickel	ppm	ASTM D5185m	>15	<1	1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	1	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	<1	<1
Tin	ppm	ASTM D5185m	>25	0	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	50	5	8	4
Barium	ppm	ASTM D5185m	15	0	0	0
Molybdenum	ppm	ASTM D5185m	15	0	0	0
Manganese	ppm	ASTM D5185m		1	2	<1
Magnesium	ppm	ASTM D5185m	50	2	4	2
Calcium	ppm	ASTM D5185m	50	14	18	11
Phosphorus	ppm	ASTM D5185m	350	283	228	271
Zinc	ppm	ASTM D5185m	100	0	7	1
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	6	30	4
Sodium	ppm	ASTM D5185m		<1	1	0
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
Water	%	ASTM D6304	>0.2	0.005	0.014	0.015
ppm Water	ppm	ASTM D6304	>2000	52.6	145.9	158.9
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2

0.68

0.57

Acid Number (AN)

mg KOH/g ASTM D8045 0.85

0.69



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Certificate L2367

Laboratory Sample No.

Lab Number

Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : RP0034509

: 05859359 : 10493824

Received : 30 May 2023 Diagnosed

: 02 Jun 2023 Diagnostician : Jonathan Hester

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.

OUTOKUMPU STAINLESS USA

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