

# **OIL ANALYSIS REPORT**

SAMPLE INFORMATION method

Sample Number

Sodium

Water ppm Water

Potassium

FLUID DEGRADATION

Acid Number (AN)

ppm

ppm

ppm

%

ASTM D5185m

ASTM D5185m

mg KOH/g ASTM D8045 0.85

ASTM D6304 >0.2

ASTM D6304 >2000

>20

Client Info

### Sample Rating Trend

# NORMAL

RP0029809

# MELT SHOP - SGP Machine Id #2 SLAB GRINDER #2 GEARBOX (S/N 15-4000-0820)

Component

Gearbox

**GEAR OIL ISO 320 (--- QTS)** 

## DIAGNOSIS

#### Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

#### Wear

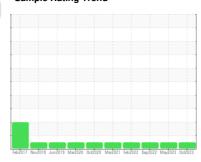
All component wear rates are normal.

#### 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.



RP0038607

RP0035103

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Sample Date		Client Info		13 Oct 2023	11 May 2023	07 Sep 2022
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		21	22	20
Iron	ppm	ASTM D5185m	>200	13	10	16
Chromium	ppm	ASTM D5185m	>15	0	<1	0
Nickel	ppm	ASTM D5185m	>15	<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	0
Lead	ppm	ASTM D5185m	>100	<1	0	0
Copper	ppm	ASTM D5185m	>200	1	0	0
Tin	ppm	ASTM D5185m	>25	0	<1	0
Antimony	ppm	ASTM D5185m	>5			
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	6	6	7
Barium	ppm	ASTM D5185m	15	2	0	0
Molybdenum	ppm	ASTM D5185m	15	<1	<1	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	50	3	0	0
Calcium	ppm	ASTM D5185m	50	3	<1	2
Phosphorus	ppm	ASTM D5185m	350	157	188	182
Zinc	ppm	ASTM D5185m	100	6	0	5
CONTAMINANTS	8	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	5	3	2

0

<1

0.003

31.7

0.41

0

0

0.008

86.2

0.46

<1

<1

0.004

48.5

0.43



# **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : RP0038607 : 05979818 Diagnosed

: 10697113 Diagnostician : 16 Oct 2023

: 17 Oct 2023

: 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. **OUTOKUMPU STAINLESS USA** 

HWY 43 N CALVERT, AL US 36513

Contact: MARIO JOHNSON Mario.johnson@outokumpu.com

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

Report Id: OUTCALAL [WUSCAR] 05979818 (Generated: 10/18/2023 10:38:09) Rev: 1

Submitted By: DALE ROBINSON