

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

ACID NEUTRALIZATION Machine Id ACID SLUDGE TANK V-7080 (S/N 16-6520-0115)

Component

Gearbox

GEAR OIL (PAO) ISO 220 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

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 Number		Client Info		RP0039107	RP0034915	RP0031419
Sample Date		Client Info		16 Jan 2024	29 Jun 2023	24 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	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		76	30	35
Iron	ppm	ASTM D5185m	>200	91	22	132
Chromium	ppm	ASTM D5185m	>15	<1	0	1
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	0	<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	25	12	0	17
Barium	ppm	ASTM D5185m	12	3	14	1
Molybdenum	ppm	ASTM D5185m	5	0	0	<1
Manganese	ppm	ASTM D5185m		<1	0	1
Magnesium	ppm	ASTM D5185m	25	<1	13	<1
Calcium	ppm	ASTM D5185m	25	618	15	3
Phosphorus	ppm	ASTM D5185m	375	278	301	199
Zinc	ppm	ASTM D5185m	25	0	48	16
CONTAMINANTS	8	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	<1	22
Sodium	ppm	ASTM D5185m		0	2	0
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water	%	ASTM D6304	>0.2	0.006	0.006	0.008
ppm Water	ppm	ASTM D6304	>2000	70	66.2	86.3
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.10	0.36	0.38	0.48



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Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : RP0039107 : 06063681

: 10835063

Recieved Diagnosed

: 19 Jan 2024 Diagnostician : Don Baldridge

: 17 Jan 2024

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)

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