

OIL ANALYSIS REPORT

GRIND ROOM [98651035] Machine Id KR-GR-003227 - REWORK GRINDER (S/N GRIND A - 11555379) Component

Gearbox

GEAR OIL ISO 220 (--- LTR)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to metal particles present in this sample. (Customer Sample Comment: 98651035)

📥 Wear

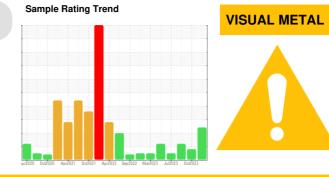
Moderate concentration of visible metal present. Gear wear is indicated.

Contamination

No other contaminants were detected in the oil.

Fluid Condition

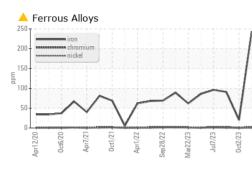
The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

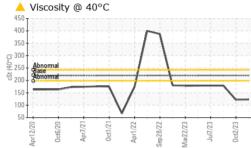


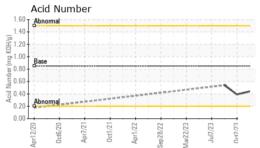
SAMPLE INFORM	/IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0111167	PCA0104788	PCA0104775
Sample Date		Client Info		26 Dec 2023	02 Oct 2023	01 Sep 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	4 243	20	91
Chromium	ppm	ASTM D5185m	>15	3	<1	2
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	<1	9
Lead	ppm	ASTM D5185m	>100	0	<1	4
Copper	ppm	ASTM D5185m	>200	29	22	136
Tin	ppm	ASTM D5185m	>25	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	2	2	13
Barium	ppm	ASTM D5185m	15	0	0	0
Molybdenum	ppm	ASTM D5185m	15	13	14	84
Manganese	ppm	ASTM D5185m		2	<1	2
Magnesium	ppm	ASTM D5185m	50	0	<1	0
Calcium	ppm	ASTM D5185m	50	0	3	8
Phosphorus	ppm	ASTM D5185m	350	561	581	441
Zinc	ppm	ASTM D5185m	100	0	15	79
Sulfur	ppm	ASTM D5185m	12500	2351	2896	9466
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	7	6	24
Sodium	ppm	ASTM D5185m		4	<1	7
Potassium	ppm	ASTM D5185m	>20	2	1	4
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.44	0.39	0.54



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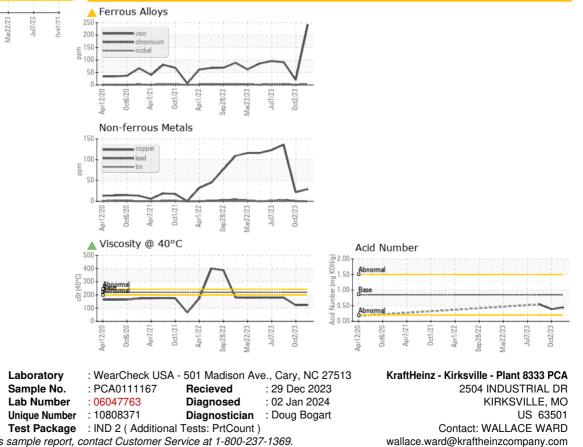
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	A MODER	NONE	🔺 MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Sand/Dirt	scalar	*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 PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	123	1 21.5	179
SAMPLE IMAGES		method	limit/base	current	history1	history2

Color



Bottom





 Certificate L2367
 Test Package
 : IND 2 (Additional Tests: PrtCount)

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 wallace.

 * - 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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