

OIL ANALYSIS REPORT

Sample Rating Trend



Area 7202 Machine To 722-SCBL-GBX Component Gearbox Fluid GEAR OIL ISO 220 (3 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

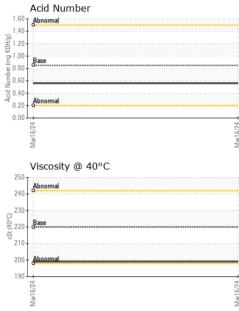
Fluid Condition

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

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0071521		
Sample Date		Client Info		16 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	29		
Chromium	ppm	ASTM D5185m	>15	0		
Nickel	ppm	ASTM D5185m	>15	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>100	0		
Copper	ppm	ASTM D5185m	>200	0		
Tin	ppm	ASTM D5185m	>25	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	6		
Barium	ppm	ASTM D5185m	15	1		
Molybdenum	ppm	ASTM D5185m	15	2		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m	50	<1		
Calcium	ppm	ASTM D5185m	50	40		
Phosphorus	ppm	ASTM D5185m	350	329		
Zinc	ppm	ASTM D5185m	100	14		
Sulfur	ppm	ASTM D5185m	12500	8414		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.56		



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	VISUAL		method	limit/base	current	history1	history2
	White Metal	scalar '	*Visual	NONE	NONE		
	Yellow Metal	scalar '	*Visual	NONE	NONE		
	Precipitate	scalar	*Visual	NONE	NONE		
	Silt	scalar '	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
-	Sand/Dirt	scalar '	*Visual	NONE	NONE		
Mar16/24	Appearance	scalar	*Visual	NORML	NORML		
Mar	Odor	scalar '	*Visual	NORML	NORML		
	Emulsified Water		*Visual	>0.2	NEG		
	Free Water	scalar '	*Visual		NEG		
	FLUID PROP	ERTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt /	ASTM D445	220	199		
	SAMPLE IMA	GES	method	limit/base	current	history1	history2
Marl 6,24 +	Color					no image	no image
	Bottom					no image	no image
	Non-ferrous Meta			Mar16/24 Mar16/24 6.0 Mar16/24	Acid Number		
	200 - Abnormal				Abnormal		
	Mar16/24			Mar16/24	an 16/24 -		
cate 12367 Unique Number	: WearCheck USA - 5 : PCA0071521 r : 06137575 er : 10957040 le : IND 2	Receiv Tested Diagno	ed : 03 : 04 osed : 04	r, NC 27513 3 Apr 2024 4 Apr 2024 4 Apr 2024 - V	WORTHINGTON INDUSTRIE 100 WORTHINGTON D PORTER, II		
enotes test methods that	ort, contact Customer Ser at are outside of the ISO specifications are based	17025 scop	e of accred	litation.		-	onindustries.co T F

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