

OIL ANALYSIS REPORT





Area **7201** Machine Id **721-SL-PIN-WMT** Component **Gearbox** Fluid **GEAR OIL ISO 220 (17 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 INFORM	/ ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0071522		
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		
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	116		
Chromium	ppm	ASTM D5185m	>15	<1		
Nickel	ppm	ASTM D5185m	>15	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	<1		
Lead	ppm	ASTM D5185m	>100	0		
Copper	ppm	ASTM D5185m	>200	2		
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	2		
Barium	ppm	ASTM D5185m	15	<1		
Molybdenum	ppm	ASTM D5185m	15	0		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m	50	<1		
Calcium	ppm	ASTM D5185m	50	15		
Phosphorus	ppm	ASTM D5185m	350	214		
Zinc	ppm	ASTM D5185m	100	3		
Sulfur	ppm	ASTM D5185m	12500	10637		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	24		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.56		





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	VISUAL		method				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			
/24 -	Appearance	scalar	*Visual	NORMI	NORMI			
Mar16	Odor	scalar	*Visual	NORMI	NORMI			
	Emulsified Water	scalar	*Visual	>0.2	NEG			
	Eree Water	scalar	*Visual	20.L	NEG			
 		Jouran	VISUAI		NEG			
	FLUID PROPE	ERTIES	method	limit/base	current	history1	history2	
	Visc @ 40°C	cSt	ASTM D445	220	217			
 	SAMPLE IMA	GES	method	limit/base	current	history1	history2	
Mar16/24	Color					no image	no image	
	Bottom					no image	no image	
	100 50 6 72791 Te			Mar16/24				
	Non-ferrous Meta	als		/24				
	Mar16			Mar16				
	Viscosity @ 40°C				Acid Number			
	240 Abnormal			€ ^{2.0}	⁰⁰			
	ç 230			Q 1.9	50 - Abnormal			
	€ 220 - Base				0 Base			
	³³ 210			Ten 20.9	50 -			
	190			Acid	Abnormal			
	6/24			6/24	6,24			
	arl			Mar1	Marl			
	M						WORTHINGTON INDUSTRIE 100 WORTHINGTON D PORTER, I US 4630 Contact: ROBERT HARDI	
Laboratory Sample No. Lab Number Unique Number Test Package	E WearCheck USA - 50 : PCA0071522 : 06137573 : 10957038 : IND 2	01 Madiso Recei Teste Diagr	n Ave., Cary ved : 03 d : 04 nosed : 04	r, NC 27513 3 Apr 2024 4 Apr 2024 4 Apr 2024 - V	V Ves Davis	VORTHINGTON 100 WOR Contact: RO	N INDUSTRIE THINGTON D PORTER, I US 4630 BERT HARDI	

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Submitted By: ADAM POTTS

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