

# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



SPC2
Component
Rear Left Wheel Hub
Fluid
{not provided} (--- GAL)

## DIAGNOSIS

Machine Id

### 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.

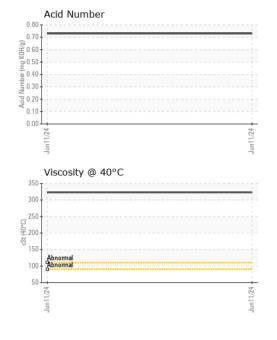
### **Fluid Condition**

The condition of the oil is acceptable for the time in service.

				Jun 2024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0123753		
Sample Date		Client Info		11 Jun 2024		
Machine Age	hrs	Client Info		10152		
Oil Age	hrs	Client Info		1188		
Oil Changed		Client Info		Not Changd		
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	>500	366		
Chromium	ppm	ASTM D5185m	>8	2		
Nickel	ppm	ASTM D5185m	>5	4		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>5	<1		
Lead	ppm	ASTM D5185m	>5	0		
Copper	ppm	ASTM D5185m	>50	<1		
Tin	ppm	ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		106		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		4		
Magnesium	ppm	ASTM D5185m		2		
Calcium	ppm	ASTM D5185m		295		
Phosphorus	ppm	ASTM D5185m		386		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		14762		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.73		

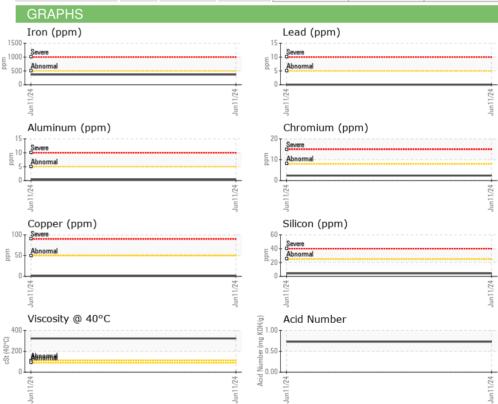


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		323		

SAMPLE IMAGES	method	iiiiii/base	current	riistory i	riistoryz
Color			no image	no image	no image
Bottom			no image	no image	no image
CDADUC					







Certificate 12367

Laboratory Sample No.

: PCA0123753 Lab Number : 06214889

Test Package : MOB 2

Unique Number : 11087753

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Jun 2024

**Tested** : 20 Jun 2024 : 21 Jun 2024 - Don Baldridge Diagnosed

1500 COMMERCIAL AVE MINGO JUNCTION, OH

US 43938 Contact: TIM RANDOLPH

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SCRAP METAL SERVICES (SMS Mill Services LLC)

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)

Report Id: SCRMIN [WUSCAR] 06214889 (Generated: 06/21/2024 16:08:47) Rev: 1

Submitted By: TIM RANDOLPH

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