

OIL ANALYSIS REPORT

Area [217061] TSP 58 16685 Component Gearbox

7 460 (--- GAL)

Sample Rating Trend



Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

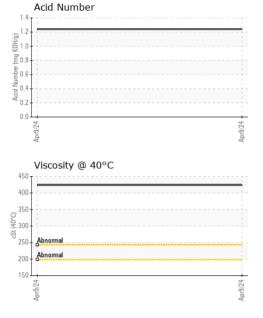
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06154599		
Sample Date		Client Info		09 Apr 2024		
Machine Age	hrs	Client Info		2015		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	1		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>50	0		
Copper	ppm	ASTM D5185m	>200	0		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		346		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		15892		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.24		



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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		
Emulsified Water Free Water	scalar	*Visual	>0.2	NEG NEG		
	scalar	*Visual				
FLUID PROPERT		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		424		
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS Iron (ppm)			20	Lead (ppm)		
0				Severe		
400 Abnormal			튎10	Abnormal		
Apr9/24			Apr9/24	Apr9/24		Apr9/24
Aluminum (ppm)				Chromium (p	pm)	
Severe				30 Severe		
Abnormal			<u></u>	Abnormal		
0				0		
0 → +2/874			Apr9/24	Apr8/24		Apr9/24
Copper (ppm)			Apr9/24	Silicon (ppm)		Apr9/24 A
Copper (ppm)			Apr9/24	Silicon (ppm)		Apr9/24
Copper (ppm)			Apr9/24	Silicon (ppm)		April/24
Copper (ppm) 600 400 Severe Abnormal			Apr8/24	Silicon (ppm)		
Copper (ppm) 600 400 Abnormal			Ppm Apr9/24	Silicon (ppm)		Apr3/24 Apr3/24
Copper (ppm) Severe Abnormal Viscosity @ 40°C			Apr9/24 Apr9/24	Silicon (ppm) Severe Ahnomal		
Copper (ppm) Copper (ppm) Severe Abnormal Viscosity @ 40°C			Apr9/24 Apr9/24	Silicon (ppm) Severe Ahnomal		
Copper (ppm) Copper (ppm) Severe Abnormal Viscosity @ 40°C			Apr9/24 Apr9/24	Silicon (ppm) Severe Ahnomal		
Copper (ppm) Copper (ppm) Severe Abnormal Viscosity @ 40°C			Apr8/24	Silicon (ppm) Severe Ahnomal		





Certificate 12367

Laboratory

Test Package : MOB 2

Sample No. : WC06154599 Lab Number : 06154599 Unique Number : 10990022

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Tested

Diagnosed

: 19 Apr 2024 : 22 Apr 2024

: 23 Apr 2024 - Don Baldridge

MOMAR Incorporated P.O. Box 19567 Atlanta, GA

US 30325 Contact: JOHN STEED john.steed@momar.com T: (404)355-4580

* - 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) F: (678)894-4204

Report Id: MOMATL [WUSCAR] 06154599 (Generated: 04/23/2024 18:16:24) Rev: 1

Contact/Location: JOHN STEED - MOMATL