

OIL ANALYSIS REPORT

Area [217061] KMD 68 16687

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

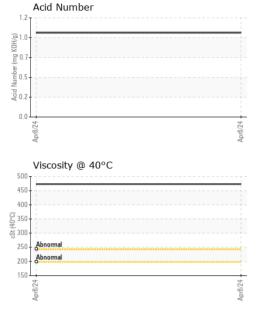
Fluid Condition

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		WC06154595		
Sample Date		Client Info		08 Apr 2024		
Machine Age	hrs	Client Info		2893		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	V	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	5		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>50	0		
Copper	ppm	ASTM D5185m	>200	<1		
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		4		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		1		
Phosphorus	ppm	ASTM D5185m		270		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		10886		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	5		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.02		



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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	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPERT	TES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		473		
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS						
Iron (ppm)				Lead (ppm)		
600 7			20	Severe	*******************************	***************************************
600 7			20 	Severe		
600 T			튭 10	Severe Abnormal		
400 - Severe 200 - Abnormal			튭 10	Severe Abnormal		Apr8/24
400 Abnormal			튭 10	Abnormal Abnormal	pm)	Apr8/24
Aluminum (ppm)			Apr8/24	Abnormal Chromium (p	pm)	Apr8/24
Aluminum (ppm)			Apr8/24	Abnormal Chromium (p	pm)	Apr8/24
Aluminum (ppm)			April 2.24	Abnormal Chromium (p	pm)	Apr8/24
Aluminum (ppm) Severe Abnormal Aluminum (ppm) Severe			3 2 dd d 1	Abnormal Chromium (p	pm)	
Aluminum (ppm) Severe Aluminum (ppm) Severe Abnormal Abnormal Copper (ppm)			Apr8/24 Apr8/24 ppm ppm ppm	Abnormal Chromium (p		Apr8/24
Aluminum (ppm) Abnormal Copper (ppm)			Apr8/24 Apr8/24 Ppm Ppm 25	Severe Abnormal Chromium (p Severe Abnormal Silicon (ppm)		
Aluminum (ppm) Abnormal Copper (ppm)			Apr8/24 Apr8/24 Ppm	Abnormal Chromium (p Severe Abnormal Silicon (ppm)		
Aluminum (ppm) Abnormal Copper (ppm)			3 2 bpm 4 ppm224 15 15 10 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Abnormal Chromium (p Severe Abnormal Silicon (ppm)		Apr8/24
Aluminum (ppm) Aluminum (ppm) Severe Aluminum (ppm) Aluminum (ppm) Copper (ppm) Severe Abnormal Copper (ppm)			April/24 April/24 Ppm	Abnormal Chromium (p Severe Abnormal Silicon (ppm)		
Aluminum (ppm) Severe Abnormal Copper (ppm) Severe Abnormal Viscosity @ 40°C			April/24 April/24 April/24 Ppm 12 Ppm 10 Ppm	Abnormal Chromium (p Severe Abnormal Silicon (ppm) Savere Abnormal		Apr8/24
Aluminum (ppm) Severe Abnormal Copper (ppm) Severe Abnormal Viscosity @ 40°C			April/24 April/24 April/24 Ppm 12 Ppm 10 Ppm	Abnormal Chromium (p Severe Abnormal Silicon (ppm) Savere Abnormal		Apr8/24
Aluminum (ppm) Abnormal Copper (ppm) Severe Abnormal Viscosity @ 40°C			April/24 April/24 April/24 Ppm 12 Ppm 10 Ppm	Abnormal Chromium (p Severe Abnormal Silicon (ppm) Savere Abnormal		Apr8/24
Aluminum (ppm) Severe Abnormal Copper (ppm) Severe Abnormal Viscosity @ 40°C			3 2 bpm 4 ppm224 15 15 10 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Abnormal Chromium (p Severe Abnormal Silicon (ppm) Savere Abnormal		Apr8/24





Certificate 12367

Laboratory

Sample No. : WC06154595 **Lab Number** : 06154595

Unique Number : 10990018 Test Package : MOB 2

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

: 22 Apr 2024 : 23 Apr 2024 - Don Baldridge Diagnosed

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

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

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* - 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)

Contact/Location: JOHN STEED - MOMATL