

OIL ANALYSIS REPORT

Sample Rating Trend



Area [217061] KMD 60 16695 Component Gearbox

Gearbox Fluid GEAR OIL ISO 150 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

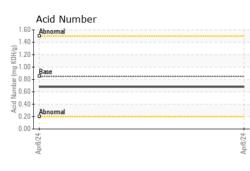
Fluid Condition

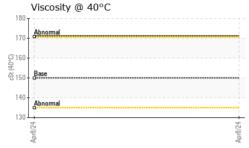
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM		method	limit/base	current	history1	history2
			in in base			
Sample Number		Client Info		WC06154590		
Sample Date	la ura	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	١	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	13		
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	3		
Copper	ppm	ASTM D5185m	>200	8		
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	50	16		
Barium	ppm	ASTM D5185m	15	0		
Molybdenum	ppm	ASTM D5185m	15	0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	50	0		
Calcium	ppm	ASTM D5185m	50	<1		
Phosphorus	ppm	ASTM D5185m	350	228		
Zinc	ppm	ASTM D5185m	100	3		
Sulfur	ppm	ASTM D5185m	12500	8608		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	24		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.68		



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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 PROPER	RTIES	method	limit/base	current	history1	histo
Visc @ 40°C	cSt	ASTM D445	150	171		
SAMPLE IMAG	FS	method	limit/base	current	history1	histo
	20	method		current	nistory	mato
Color				no image	no image	no ima
00101				no image	nomage	
Bottom				no image	no image	no ima
Dottom				no image	nonnage	
GRAPHS						
Iron (ppm)				Lead (ppm)		
600 T			200	0 T		
E 400 - Abnormal			톮 100	Severe		
1			d.	Abnormal		
0 Apr8/24			Apr8/24	74		
Apré			Apré	Apr8/24		
Aluminum (ppm	1)			Chromium (p	pm)	
100 Severe	1)		30	Severe	pm)	
100 §evere)		<u>ع</u> 20	D Severe	pm)	
100 Severe)		e ²⁰	D - Abnormal	pm)	
50 Abnormal))		e ²⁰	U Severe Abnormal	pm)	
100 §evere)		e ²⁰	D - Abnormal	pm)	
Abnormal +52000 Copper (ppm)			Apr6/24	Abnormal Abnormal Silicon (ppm)		
Abnomal Copper (ppm))		April/22	Abnormal Abnormal 52804 Silicon (ppm)		
Abnormal +52000 Copper (ppm))		April/22	Abnormal Abnormal 52804 Silicon (ppm)		
Copper (ppm))		404 404 404 404 404 404 404 404 404 404	Abnormal Silicon (ppm)		
Copper (ppm))		404 404 404 404 404 404 404 404 404 404	Abnormal Silicon (ppm)		
Copper (ppm)			Apr8/24	Abnormal Silicon (ppm)		
Copper (ppm)			Apr8/24	Abnormal Silicon (ppm)		
Copper (ppm)			Apr8/24	Abnormal Silicon (ppm)		
Copper (ppm) Copper (ppm) Co			Apr8/24	Abnormal Silicon (ppm)		
Copper (ppm) Copper (ppm) Co			4000 H00mpet 40000 H00mpet 4000	Severe Abnormal Silicon (ppm) Severe Abnormal Acid Number Abnormal Base Abnormal		
Copper (ppm) Copper (ppm)			40400 40000 400000 400000 400000 40000 400000 40000 40000 400000 4000	Abnormal Silicon (ppm)		
Copper (ppm) Copper (ppm) Co			4000 H00mpet 4000	Severe Abnormal Silicon (ppm) Severe Abnormal Acid Number Abnormal Base Abnormal		
Copper (ppm) Copper (ppm) Co	C		151 +2200dk +2200dk (0)H03 Bull Jagenum (0) +2200dk (0)H03 Bull Jagenum (0) (0)H03 Bull Jagenum (0) +2200dk (0)H03 Bull Jagenum (0)H03 B	Severe Abnormal Silicon (ppm) Severe Abnormal Acid Number Abnormal Base Abnormal		R Incorpo
Copper (ppm) Copper (ppm) Co	C 501 Madiso Recei	ived : 19	(P)HOX PUP	Severe Abnormal Silicon (ppm) Severe Abnormal Acid Number Abnormal Base Abnormal	MOMAF	P.O. Box 1
Copper (ppm) Copper (ppm) Co	C 501 Madiso Recei Teste	ived : 19 d : 22	(), NC 27513 2 Apr 2024 2 Apr 2024	Abnormal Silicon (ppm) Silicon (ppm) Silicon (ppm) Abnormal Abnormal Abnormal Basee Abnormal Abnormal Abnormal Abnormal Abnormal Abnormal	MOMAF	P.O. Box 1 Atlanta
Copper (ppm) Copper (ppm) Co	C 501 Madiso Recei	ived : 19 d : 22	(P)HOX PUP	Abnormal Silicon (ppm) Silicon (ppm) Silicon (ppm) Abnormal Abnormal Abnormal Basee Abnormal Abnormal Abnormal Abnormal Abnormal Abnormal	MOMAF	R Incorpol P.O. Box 1 Atlanta US 3 Eddie Hat

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)

Certificate L2367

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