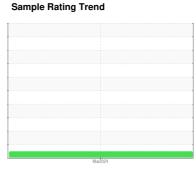


OIL ANALYSIS REPORT







Machine Id **16650** Component

Gearbox

MOBIL SHC 630 (--- GAL)

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.

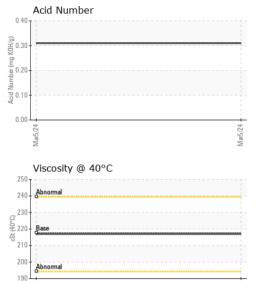
				Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06121725		
Sample Date		Client Info		05 Mar 2024		
Machine Age	hrs	Client Info		12400		
Oil Age	hrs	Client Info		3640		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	0		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	5		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	5		
Lead	ppm	ASTM D5185m	>50	<1		
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		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		7		
Calcium	ppm	ASTM D5185m		1		
Phosphorus	ppm	ASTM D5185m		<1		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		82		
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	16		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
A 1151 1 (ASC)	1/01::	4.0TH D.04 :-				

0.31

Acid Number (AN) mg KOH/g ASTM D8045



OIL ANALYSIS REPORT



Visc @ 40°C cSt ASTM D445 217.7 217 SAMPLE IMAGES method limit/base current history1 history. Color no image no image no image	VISUAL		method	limit/base	current	history1	history2	
Precipitate scalar *Visual NONE NONE	White Metal	scalar	*Visual	NONE	NONE			
Silt scalar "Visual NONE NONE	Yellow Metal	scalar	*Visual	NONE	NONE			
Debris scalar *Visual NONE NONE	Precipitate	scalar	*Visual	NONE	NONE			
Sand/Dirt scalar "Visual NONE NORML Appearance scalar "Visual NORML NORML	Silt	scalar	*Visual	NONE	NONE			
Appearance scalar *Visual NORML NORML	Debris	scalar		NONE				
Odor scalar Visual NORML NORML Free Water scalar Visual >0.2 NEG	Sand/Dirt	scalar	*Visual					
Emulsified Water scalar *Visual >0.2 NEG Free Water scalar *Visual NEG								
Free Water scalar *Visual MEG FLUID PROPERTIES method limit/base current history1 history Visc @ 40°C cSt ASTM D445 217.7 217 SAMPLE IMAGES method limit/base current history1 history Rolling no image no image no image no image no image ROLL Color no image no image no image no image ROLL Color no image no image no image no image ROLL Color no image no image no image no image no image ROLL Color no image no image no image no image no image ROLL Color No image no image no image no image no image no image ROLL Color No image								
FLUID PROPERTIES method limit/base current history1 history Visc @ 40°C cSt ASTM D445 217.7 217 SAMPLE IMAGES method limit/base current history1 history From (ppm) Aluminum (ppm) Aluminum (ppm) Copper (>0.2				
Visc @ 40°C cSt ASTM D445 217.7 217 SAMPLE IMAGES method limit/base current history1 history Rolling no image no image no image no image ROLLead (ppm) Lead (ppm) Aluminum (ppm) Aluminum (ppm) Copper (ppm) Copper (ppm) Copper (ppm) Viscosity @ 40°C Acid Number			*Visual		NEG			
SAMPLE IMAGES method limit/base current history1 history Color no image no image no image ReapHS Iron (ppm) Aluminum (ppm) Aluminum (ppm) Copper (ppm) Copper (ppm) Silicon (ppm) Silicon (ppm) Silicon (ppm) Viscosity @ 40°C Acid Number		IES		limit/base	current	history1	history2	
Bottom no image no image no image	Visc @ 40°C	cSt	ASTM D445	217.7	217			
Bottom no image Abnormal Servers Abnormal Chromium (ppm) Servers Abnormal Servers Abnormal Viscosity @ 40°C Acid Number	SAMPLE IMAGES	5	method	limit/base	current	history1	history2	
GRAPHS Iron (ppm) Abnormal Aluminum (ppm) Chromium (ppm) Chromium (ppm) Severe Abnormal Copper (ppm) Copper (ppm) Severe Abnormal Copper (ppm) Severe Abnormal Abnormal Abnormal Operation of the severe of the s	Color				no image	no image	no image	
Iron (ppm) Severe Abnormal	Bottom				no image	no image	no image	
Aluminum (ppm) Chromium (ppm) Ahnomal Copper (ppm) Silicon (ppm) Severe Ahnomal Viscosity @ 40°C Ahnomal Viscosity @ 40°C Ahnomal Ahnomal Ahnomal Ahnomal Ahnomal	Iron (ppm) Severe Abnormal	***************************************		톱10	Severe			
Copper (ppm) Severe Abnormal Copper (ppm) Silicon (ppm) Severe Abnormal Viscosity @ 40°C Abnormal				Mar5/24			6	
Copper (ppm) Silicon (ppm) Severe Abnormal Viscosity @ 40°C Abnormal Viscosity @ 40°C Abnormal Abnormal Abnormal Abnormal					3	om) 		
Copper (ppm) Silicon (ppm) Severe Abnormal Viscosity @ 40°C Acid Number	Severe							
Copper (ppm) Silicon (ppm) Severe Abnormal Viscosity @ 40°C Acid Number	Patronia							
Severe Abnormal Viscosity @ 40°C Abnormal Abnormal Abnormal Acid Number Acid Number	Automata a				1			
Viscosity @ 40°C Acid Number	O ADMINIA				ı 🗀		\ C L	
Viscosity @ 40°C Acid Number Approximate the following properties of the following p	Copper (ppm)			Mar5/24	Silicon (ppm)		W. C.	
Viscosity @ 40°C Acid Number Page Page	Copper (ppm)			Mar5/24	Silicon (ppm)		5 5	
Viscosity @ 40°C Acid Number	Copper (ppm)			Mar5/24	Silicon (ppm)		, d	
Abnormal (5) 0.40 (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	Copper (ppm)			Mar5,224	Silicon (ppm) Severe			
Abnormal	Copper (ppm)			Mar5,224	Silicon (ppm) Severe		200	
90.00 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Copper (ppm) Sewere Abnormal Viscosity @ 40°C			Mar5/24 Mar5/24	Silicon (ppm) Severe Abnormal			
Acid Na Acid N	Copper (ppm) Severe Abnormal Viscosity @ 40°C			Mar5/24 Mar5/24	Silicon (ppm) Severe Abnormal			
15/1 5/12 5/2	Copper (ppm) Severe Abnormal Viscosity @ 40°C			Mar5/24 Mar5/24	Silicon (ppm) Severe Abnormal			
पुज	Copper (ppm) Severe Abnormal Viscosity @ 40°C			Mars/24 Mars/2	Silicon (ppm) Severe Abnormal Acid Number			





Laboratory Sample No.

Lab Number : 06121725 Unique Number : 10930558 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC06121725 Received **Tested**

Diagnosed

: 18 Mar 2024 : 19 Mar 2024 : 21 Mar 2024 - Jonathan Hester

P.O. Box 19567 Contact: JOHN STEED

Certificate L2367 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)

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