

OIL ANALYSIS REPORT

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Machine Id **PWP** Component **Gearbox** Fluid **MOBIL MOBILGEAR SHC 150 (15 LTR)**

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

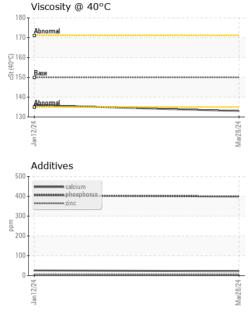
Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0900544	WC0900545	
Sample Date		Client Info		28 Mar 2024	12 Jan 2024	
Machine Age	hrs	Client Info		1964	1688	
Oil Age	hrs	Client Info		500	1688	
Oil Changed		Client Info		Changed	Not Changd	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>200	4	3	
Chromium	ppm	ASTM D5185(m)	>10	0	0	
Nickel	ppm	ASTM D5185(m)	>10	<1	0	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)		0	0	
Aluminum	ppm	ASTM D5185(m)	>25	0	0	
Lead	ppm	ASTM D5185(m)	>50	0	0	
Copper	ppm	ASTM D5185(m)	>200	<1	<1	
Tin	ppm	ASTM D5185(m)	>10	0	0	
Antimony	ppm	ASTM D5185(m)	>5	0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		10	6	
Barium	ppm	ASTM D5185(m)		0	0	
Molybdenum	ppm	ASTM D5185(m)		0	0	
Manganese	ppm	ASTM D5185(m)		0	0	
Magnesium	ppm	ASTM D5185(m)		<1	<1	
Calcium	ppm	ASTM D5185(m)		22	26	
Phosphorus	ppm	ASTM D5185(m)		399	404	
Zinc	ppm	ASTM D5185(m)		5	6	
Sulfur	ppm	ASTM D5185(m)		2030	1733	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	15	15	
Sodium	ppm	ASTM D5185(m)		<1	<1	
Potassium	ppm	ASTM D5185(m)	>20	0	0	



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		method	limit/base	current	history1	history2
White Metal		Visual*	NONE	NONE	NONE	
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
Precipitate	scalar	Visual*	NONE	NONE	NONE	
Silt	scalar	Visual*	NONE	NONE	NONE	
Debris	scalar	Visual*	NONE	NONE	NONE	
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE	
Appearance	scalar	Visual*	NORML	NORML	NORML	
Odor	scalar	Visual*	NORML	NORML	NORML	
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	
Free Water	scalar	Visual*		NEG	NEG	
FLUID PROPERTI	IES	method	limit/base	current	history1	history2
√isc @ 40°C	cSt	ASTM D7279(m)	150	133	136	
SAMPLE IMAGES		method	limit/base	current	history1	history2
					THE R	
. .				<u> </u>		
Color					WC0900545	no image
Bottom						no image
Jottom				62		no image
GRAPHS						
Iron (ppm)			200	Lead (ppm)		
0				Severe		
Abnormal			튵 100	Abnormal		
1.1						
Jan 12/24			Mar28/24	Jan 1 2/2 4		
2			Ma	,		:
Aluminum (ppm)			30	Chromium (ppm)	
Severe						
Abnormal			<u>ل</u> 10	Abnormal		
			(
Jan 1 2/24			Mar28/24	Jan 12/24		
Jan			Mari	E		
				7		:
Copper (ppm)				Silicon (ppm)	:
Copper (ppm)			150	Silicon (ppm)	:
Τ			E 100	Silicon (ppm)	
Severe			툴. 100 특. 50	Silicon (ppm)	
Severe Abnormal			트 100 등 50	Silicon (ppm)	
Severe			트 100 등 50	Silicon (ppm)	
Abnormal			툴. 100 특. 50	Silicon (ppm)	
Abnormal 			트 100 등 50	Silicon (ppm)	
Abnormal Viscosity @ 40°C			Mar28024	Silicon (ppm		
Abnormal 			Ma28024 600	Silicon (ppm Abnormal 40 40 40 40 40 40 40 40 40 40 40 40 40		
Abnormal Abnormal Viscosity @ 40°C			600 600 600 600 600 600 600 600	Silicon (ppm beneration of the second of th		
Abnormal Abnormal Abnormal Abnormal Abnormal Abnormal			600 600 600 600 600 600 600 600	Silicon (ppm Abnomal HZZLIEF Additives		
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Abnormal Abnormal Abnormal Abnormal Abnormal Abnormal Abnormal Abnormal Base Base Base Abnormal Abnormal Abnormal Base Base Abnormal Abnorm			600 +7082PPW 600 +7082PPW 600 +7082PPW 600 400 400 400 400 400 400 400 400 400	Silicon (ppm Severe Abnormal +2721 ^{lie} Additives +2721 ^{lie} brock	Soletanche E	Bachy Canad
Ahnomal Abn	Receiv	ed :11	600 +7082EW gton, ON L7I Apr 2024	Silicon (ppm Severe Abnormal +2721 ^{lie} Additives +2721 ^{lie} brock	Soletanche E	Bachy Canad herman Ave
Abnormal Abnorm	Receiv Tested	ed : 11 : 11	et a contraction of the second	Silicon (ppm been been been been been been been been	Soletanche E	Bachy Canad herman Ave Hamilton, O
Ahnomal Abn	Receiv	ed : 11 : 11	600 +7082EW gton, ON L7I Apr 2024	Silicon (ppm been been been been been been been been	Soletanche E 530 S	Bachy Canad herman Ave

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

F: Contact/Location: Mike McNabb - SBCHAM

CALA

ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Lab Number

Unique Number Test Package