

OIL ANALYSIS REPORT

Sample Rating Trend

ADDITIVES

Area Kautex - 800023 RB062

Unknown Component Fluid MOBIL DTE 10 EXCEL 46 (--- GAL)

DIAGNOSIS

Recommendation

The sample submitted is 2 times dirtier than the ISO dirt count recommendation of 19/16/14.

Contamination

Particles $>4\mu m$ are notably high. Particles $>6\mu m$ and oil cleanliness are notably high.

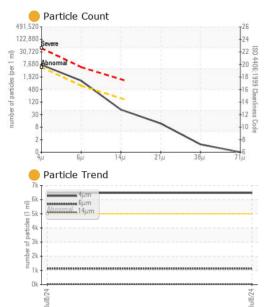
Fluid Condition

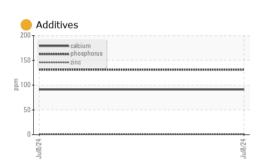
Phosphorus ppm levels are notably low. Sulfur ppm levels are notably low. Zinc ppm levels are notably low.

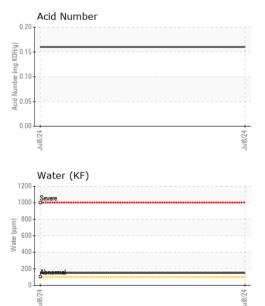
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Department		Client Info		Sales		
Sample From		Client Info		Tote		
Production Stage		Client Info		Virgin		
Sent to WC		Client Info		07/10/2024		
Sample Number		Client Info		E30002609		
Sample Date		Client Info		08 Jul 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		0		
Chromium	ppm	ASTM D5185(m)		0		
Nickel	ppm	ASTM D5185(m)		<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)		<1		
Lead	ppm	ASTM D5185(m)		0		
Copper	ppm	ASTM D5185(m)		<1		
Tin	ppm	ASTM D5185(m)		0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		<1		
Calcium	ppm	ASTM D5185(m)		91		
Phosphorus	ppm	ASTM D5185(m)		<mark> </mark> 131		
Zinc	ppm	ASTM D5185(m)		<mark> </mark> 1		
Sulfur	ppm	ASTM D5185(m)		558		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		0		
Sodium	ppm	ASTM D5185(m)		<1		
Potassium	ppm	ASTM D5185(m)	>20	0		
Water	%	ASTM D6304*		0.014		
ppm Water	ppm	ASTM D6304*		149		



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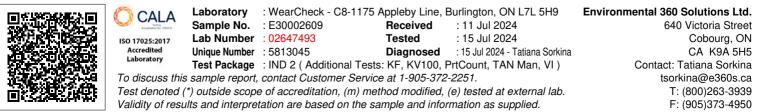






FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	6470		
Particles >6µm		ASTM D7647	>640	<u> </u>		
Particles >14µm		ASTM D7647	>160	46		
Particles >21µm		ASTM D7647	>40	10		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/16/14	e 20/17/13		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.16		
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*		NEG		
Free Water	scalar	Visual*		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	45.6	44.4		
Visc @ 100°C	cSt	ASTM D7279(m)	8.5	8.3		
Viscosity Index (VI)	Scale	ASTM D2270*	164	164		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image





Report Id: CHECOB [WCAMIS] 02647493 (Generated: 07/15/2024 13:31:34) Rev: 1

Contact/Location: Tatiana Sorkina - CHECOB

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