

OIL ANALYSIS REPORT

Sample Rating Trend



CENPECO 15W40

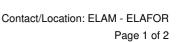
Component New (Unused) Oil Fluid {not provided} (--- GAL)

DIAGNOSIS

Recommendation

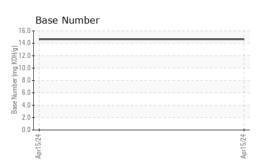
This is a baseline read-out on the submitted sample.

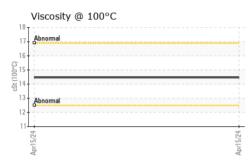
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0865847		
Sample Date		Client Info		15 Apr 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		2		
Chromium	ppm	ASTM D5185m		0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		2		
Lead	ppm	ASTM D5185m		<1		
Copper	ppm	ASTM D5185m		0		
Tin	ppm	ASTM D5185m		<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		mathad	limit/base		In the transmission	history()
//BBHHYEG		method	iimii/base	current	history1	history2
Boron	ppm	ASTM D5185m	innit/base	6	nistory I	mstoryz
	ppm ppm		iimivbase			
Boron		ASTM D5185m	IIMi/base	6		
Boron Barium	ppm	ASTM D5185m ASTM D5185m	IIMI/Dase	6 98		
Boron Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	imirbase	6 98 3		
Boron Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		6 98 3 <1		
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		6 98 3 <1 429		
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		6 98 3 <1 429 3841	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		6 98 3 <1 429 3841 1409	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	6 98 3 <1 429 3841 1409 1574	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		6 98 3 <1 429 3841 1409 1574 6937		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		6 98 3 <1 429 3841 1409 1574 6937 current	 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m		6 98 3 <1 429 3841 1409 1574 6937 current 8	 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	limit/base	6 98 3 <1 429 3841 1409 1574 6937 current 8 <1	 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base	6 98 3 <1 429 3841 1409 1574 6937 current 8 < <1 0	 history1 	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base	6 98 3 <1 429 3841 1409 1574 6937 current 8 <1 0 NEG	 history1 	 history2

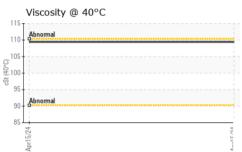




OIL ANALYSIS REPORT







		method				histor
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	e current	history1	histo
Visc @ 40°C	cSt	ASTM D445		109.4		
Visc @ 100°C	cSt	ASTM D445		14.46		
Viscosity Index (VI)	Scale	ASTM D2270		135		
SAMPLE IMAGES		method	limit/base		history1	histo
SAIVIFLE IMAGES)	method	IIIIII/Dase	e current	nistory i	TIIStO
Color					no image	no ima
Bottom					no image	no ima
GRAPHS						
Ferrous Alloys						
8 - iron						
chromium						
chromium						
E 6 4 2						
E 6 4 2			15/24			
mg d 2 0 + + Cisting d 4 +		*****	Apr15/24			
ud 4 2 0 4 2 0 4 2 0 4 2 0 4 7 2 1 4 7 2 1 4 7 7 2 1 4 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	5		Apr15/24			
mg d 2 0 + + Cisting d 4 +	5		Apr15/24			
Non-ferrous Metals	5		Apr15/24			
Non-ferrous Metals	5		Apr15/24			
Non-ferrous Metals	5		Apri5/24			
Non-ferrous Metals	5					
Non-ferrous Metals	5		Apri5/24			
Non-ferrous Metals	5			Acid Number		
Non-ferrous Metals	5		Apri5/24	Acid Number		
Non-ferrous Metals	5		Apr15/24	2.5		
Non-ferrous Metals	5		Apr15/24	2.5		
Non-ferrous Metals	5		Apr15/24	2.5		
Non-ferrous Metals	5		Apri5/24	2.5		
Non-ferrous Metals	5		Apri5/24	2.5		
Non-ferrous Metals	5		Apr15/24	2.5		
Non-ferrous Metals			Apr15/24 Apr	2.5 1.5 1.5 0.0 4 4 2 3 1 4 2 3 1 4 4 2 3 1 4 4 2 3 1 4 4 3 1 4 4 3 1 4 4 3 1 5 4 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1		
Non-ferrous Metals	Madiso		(6)(10) (6)(10	2.5 1.5 1.5 0.0 4 4 2 3 1 4 2 3 1 4 4 2 3 1 4 4 2 3 1 4 4 3 1 4 4 3 1 4 4 3 1 5 4 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1		
Non-ferrous Metals		ived : 18	(6)(H0) (III) (b)(H0) (III) (b)(H0	2.5 1.5 1.5 0.0 4 4 2 3 1 4 2 3 1 4 4 2 3 1 4 4 2 3 1 4 4 3 1 4 4 3 1 4 4 3 1 5 4 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	392	2 ELWOO
Non-ferrous Metals	Madiso Recei Teste	ived : 18 d : 23	(6)(10) (6)(10	2.5 1.5 1.0 0.5 4 5 2 5 3	392	UIPMENT 2 ELWOOI DRT PLAIN US 1

To discuss this sample report, con * - 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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Contact/Location: ELAM - ELAFOR Page 2 of 2

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