

OIL ANALYSIS REPORT

ČPK - D00200 A2403048

Component

Hydraulic System

{not provided} (--- GAL)

Sample Rating Trend NORMAL

Recommendation

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

Batch # Client Info 2024 03 0130							
Batch # Client Info 2024 03 0130					Mar2024		
Machine ID	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Department Cilient Info Production	Batch #		Client Info		2024 03 0130		
Sample From Client Info Tote	Machine ID		Client Info		388		
Sample From Client Info Tote	Department		Client Info		Production		
Production Stage Client Info Client Info Country Client Info Client Info Country Client Info Client Info Country Client Info Clien	•		Client Info		Tote		
Sent to WC Client Info 03/08/2024 Sample Number Client Info E30001540 Sample Date Client Info 08 Mar 2024 Sample Date Client Info 0	•		Client Info		Initial		
Sample Date Client Info 08 Mar 2024	Sent to WC		Client Info		03/08/2024		
Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status NORMAL CONTAMINATION method limit/base current history1 history1 Water WC Method >0.05 NEG WEAR METALS method limit/base current history1 history1 Idon ppm ASTM D518S(m) >10 0 Mickel ppm ASTM D518S(m) >10 <1	Sample Number		Client Info		E30001540		
Machine Age hrs Client Info 0	Sample Date		Client Info		08 Mar 2024		
Dil Age	•	hrs			0		
Coli Changed Client Info N/A		hrs	Client Info		0		
CONTAMINATION method limit/base current history1 history	•				N/A		
Water WC Method So.0.5 NEG So.0.5 So.0.5 So.0.5 NEG So.0.5 S	•						
Water WC Method >0.05 NEG WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185(m) >20 <1 Chromium ppm ASTM D5185(m) >10 0 Nickel ppm ASTM D5185(m) >10 <1 Silver ppm ASTM D5185(m) 0 Aluminum ppm ASTM D5185(m) >10 <1 Aluminum ppm ASTM D5185(m) >20 <1 Lead ppm ASTM D5185(m) >20 2 Copper ppm ASTM D5185(m) >10 0 Tin ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0 <		M	method	limit/hase	current	history1	history
WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185(m) >20 <1	Water	/IN				•	,
Iron						history1	history
Chromium		nnm				,	Í
Nickel	-		. ,				
Description			1 7		_		
Silver				>10			
Aluminum			, ,		-		
Lead			. ,	4.0	_		
Copper ppm ASTM D5185(m) >20 2 Tin ppm ASTM D5185(m) >10 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 Cadmium ppm ASTM D5185(m) 0 Boron ppm ASTM D5185(m) 0 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 34 Magnesium ppm ASTM D5185(m) 375 Phosphorus ppm ASTM D5185(m) 399			, ,				
Trin			. ,				
Antimony			, ,				
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) 34 Magnesium ppm ASTM D5185(m) 375 Calcium ppm ASTM D5185(m) 375 Phosphorus ppm ASTM D5185(m) 399 Zinc ppm ASTM D5185(m) 1061 Sulfur ppm ASTM D5185(m) >15 0			. ,	>10			
Beryllium	•	ppm	, ,		_		
Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history Boron ppm ASTM D5185(m) <1		ppm	. ,		_		
ADDITIVES	Beryllium	ppm	ASTM D5185(m)		0		
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) 34 Calcium ppm ASTM D5185(m) 51 Phosphorus ppm ASTM D5185(m) 375 Zinc ppm ASTM D5185(m) 399 Sulfur ppm ASTM D5185(m) 1061 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185(m) >15 0 Sodium ppm ASTM D5185(m) 0	Cadmium	ppm	ASTM D5185(m)		0		
Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 34 Calcium ppm ASTM D5185(m) 51 Phosphorus ppm ASTM D5185(m) 375 Zinc ppm ASTM D5185(m) 399 Sulfur ppm ASTM D5185(m) 1061 Lithium ppm ASTM D5185(m) <1	ADDITIVES		method	limit/base	current	history1	history
Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 34 Calcium ppm ASTM D5185(m) 51 Phosphorus ppm ASTM D5185(m) 375 Zinc ppm ASTM D5185(m) 399 Sulfur ppm ASTM D5185(m) 1061 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185(m) >15 0 Sodium ppm ASTM D5185(m) 0	Boron	ppm	ASTM D5185(m)		<1		
Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 34 Calcium ppm ASTM D5185(m) 51 Phosphorus ppm ASTM D5185(m) 375 Zinc ppm ASTM D5185(m) 399 Sulfur ppm ASTM D5185(m) 1061 Lithium ppm ASTM D5185(m) <1	Barium	ppm	ASTM D5185(m)		0		
Magnesium ppm ASTM D5185(m) 34 Calcium ppm ASTM D5185(m) 51 Phosphorus ppm ASTM D5185(m) 375 Zinc ppm ASTM D5185(m) 399 Sulfur ppm ASTM D5185(m) 1061 Lithium ppm ASTM D5185(m) <1	Molybdenum	ppm	ASTM D5185(m)		0		
Calcium ppm ASTM D5185(m) 51 Phosphorus ppm ASTM D5185(m) 375 Zinc ppm ASTM D5185(m) 399 Sulfur ppm ASTM D5185(m) 1061 Lithium ppm ASTM D5185(m) <1	Manganese	ppm	ASTM D5185(m)		0		
Phosphorus ppm ASTM D5185(m) 375 Zinc ppm ASTM D5185(m) 399 Sulfur ppm ASTM D5185(m) 1061 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history Silicon ppm ASTM D5185(m) >15 0 Sodium ppm ASTM D5185(m) 0	Magnesium	ppm	ASTM D5185(m)		34		
Zinc ppm ASTM D5185(m) 399 Sulfur ppm ASTM D5185(m) 1061 Lithium ppm ASTM D5185(m) <1	Calcium	ppm	ASTM D5185(m)		51		
Sulfur ppm ASTM D5185(m) 1061 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history Silicon ppm ASTM D5185(m) >15 0 Sodium ppm ASTM D5185(m) 0	Phosphorus	ppm			375		
Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history Silicon ppm ASTM D5185(m) >15 0 Sodium ppm ASTM D5185(m) 0	Zinc	ppm	ASTM D5185(m)		399		
CONTAMINANTS method limit/base current history1 history. Silicon ppm ASTM D5185(m) >15 0 Sodium ppm ASTM D5185(m) 0	Sulfur	ppm	ASTM D5185(m)		1061		
Silicon ppm ASTM D5185(m) >15 0 Sodium ppm ASTM D5185(m) 0	Lithium	ppm	ASTM D5185(m)		<1		
Sodium ppm ASTM D5185(m) 0	CONTAMINANT	S	method	limit/base	current	history1	history2
Sodium ppm ASTM D5185(m) 0	Silicon	ppm	ASTM D5185(m)	>15	0		
	Sodium		. ,				
	Potassium		()	>20			



OIL ANALYSIS REPORT

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		
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color					no image	no image
Bottom				o or year	no image	no image
GRAPHS						



CALA ISO 17025:2017 Accredited Laboratory

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Laboratory **Sample No.** : E30001540

Lab Number : 02621634 Unique Number : 5746753

Received

Tested Diagnosed Test Package: TEST (Additional Tests: ICP)

: 12 Mar 2024 : 12 Mar 2024

: 13 Mar 2024 - Tatiana Sorkina

Cobourg, ON CA K9A 5H5 Contact: Tatiana Sorkina

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640 Victoria Street

Environmental 360 Solutions Ltd.

To discuss this sample report, contact Customer Service at 1-905-372-2251.

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.