

OIL ANALYSIS REPORT

Linamar Coop - T01200 A2404087

Component Quench Oil

{not provided} (--- GAL)

Sample Rating Trend



Department Client Info Production Sample From Client Info Machine Production Stage Client Info Initial Sent to WC Client Info 04/16/2024 Sample Number Client Info E30001876 Sample Date Client Info 16 Apr 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info N/A Oil Changed Client Info N/A Sample Status NORMAL							
Department	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample From Client Info Machine	Batch #		Client Info		2024 04 0440		
Production Stage Client Info Initial Sent to WC Client Info 04/16/2024 Sample Number Client Info E30001876 Sample Date Client Info 16 Apr 2024 Client Info O Client Info N/A Client Info N/A N/A Client Info N/A N/A Client	Department		Client Info		Production		
Sent to WC Client Info Colination Co	Sample From		Client Info		Machine		
Sample Number Client Info E30001876 Sample Date Client Info 16 Apr 2024	Production Stage		Client Info		Initial		
Sample Date Client Info 16 Apr 2024	Sent to WC		Client Info		04/16/2024		
Machine Age hrs Client Info 0	Sample Number		Client Info		E30001876		
Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status NORMAL CONTAMINATION method limit/base current history1 history2 Water WC Method NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM 05185(m) 9 Chromium ppm ASTM 05185(m) 41 Nickel ppm ASTM 05185(m) 0 Silver ppm ASTM 05185(m) 0 Aluminum ppm ASTM 05185(m) 0 Lead ppm ASTM 05185(m) 0 Copper ppm ASTM 05185(m) 0 Tin ppm	Sample Date		Client Info		16 Apr 2024		
Coli Changed Client Info N/A NORMAL NORMAL NEG NORMAL NORMA	Machine Age	hrs	Client Info		0		
CONTAMINATION method limit/base current history1 history2	Oil Age	hrs	Client Info		0		
CONTAMINATION method limit/base current history1 history2 Water WC Method NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) 9 Chromium ppm ASTM D5185(m) <1	Oil Changed		Client Info		N/A		
Water WC Method NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) 9 Chromium ppm ASTM D5185(m) <1 Nickel ppm ASTM D5185(m) 0 Titanium ppm ASTM D5185(m) 0 Aluminum ppm ASTM D5185(m) 0 Aluminum ppm ASTM D5185(m) 0 Copper ppm ASTM D5185(m) 0 Copper ppm ASTM D5185(m) 0 Tin ppm ASTM D5185(m) 0 Antimony ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m)	Sample Status				NORMAL		
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) 9 Chromium ppm ASTM D5185(m) <1	CONTAMINATIO	N	method	limit/base	current	history1	history2
Iron	Water		WC Method		NEG		
Chromium ppm ASTM D5185(m) <1 Nickel ppm ASTM D5185(m) <1	WEAR METALS		method	limit/base	current	history1	history2
Chromium ppm ASTM D5185(m) <1 Nickel ppm ASTM D5185(m) <1	Iron	ppm	ASTM D5185(m)		9		
Nickel	Chromium		. ,				
Silver	Nickel	ppm	ASTM D5185(m)		<1		
Silver	Titanium		ASTM D5185(m)		0		
Aluminum	Silver		ASTM D5185(m)		0		
Copper ppm ASTM D5185(m) 6 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) 0 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) <1	Aluminum		ASTM D5185(m)		<1		
Tin	Lead		ASTM D5185(m)		0		
Tin	Copper	ppm	ASTM D5185(m)		6		
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) <1			, ,		0		
Beryllium	Antimony	ppm	ASTM D5185(m)		0		
Description	Vanadium	ppm	ASTM D5185(m)		0		
ADDITIVES	Beryllium		ASTM D5185(m)		0		
Boron ppm ASTM D5185(m) 1	Cadmium	ppm	ASTM D5185(m)		0		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) <1 Magnesium ppm ASTM D5185(m) 29 Calcium ppm ASTM D5185(m) 11 Phosphorus ppm ASTM D5185(m) 8 Zinc ppm ASTM D5185(m) 108 Sulfur ppm ASTM D5185(m) <1 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	Boron	ppm	ASTM D5185(m)		1		
Manganese ppm ASTM D5185(m) <1 Magnesium ppm ASTM D5185(m) <1	Barium	ppm	ASTM D5185(m)		0		
Magnesium ppm ASTM D5185(m) <1 Calcium ppm ASTM D5185(m) 29 Phosphorus ppm ASTM D5185(m) 11 Zinc ppm ASTM D5185(m) 8 Sulfur ppm ASTM D5185(m) 108 Lithium ppm ASTM D5185(m) <1	Molybdenum	ppm	ASTM D5185(m)		0		
Calcium ppm ASTM D5185(m) 29 Phosphorus ppm ASTM D5185(m) 11 Zinc ppm ASTM D5185(m) 8 Sulfur ppm ASTM D5185(m) 108 Lithium ppm ASTM D5185(m) <1	Manganese	ppm	ASTM D5185(m)		<1		
Phosphorus ppm ASTM D5185(m) 11 Zinc ppm ASTM D5185(m) 8 Sulfur ppm ASTM D5185(m) 108 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	Magnesium	ppm	ASTM D5185(m)		<1		
Zinc ppm ASTM D5185(m) 8 Sulfur ppm ASTM D5185(m) 108 Lithium ppm ASTM D5185(m) <1					29		
Sulfur ppm ASTM D5185(m) 108 Lithium ppm ASTM D5185(m) <1	Phosphorus	ppm	ASTM D5185(m)		11		
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	Zinc	ppm	ASTM D5185(m)		8		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) 0 Sodium ppm ASTM D5185(m) <1	Sulfur	ppm	ASTM D5185(m)		108		
Silicon ppm ASTM D5185(m) 0 Sodium ppm ASTM D5185(m) <1	Lithium	ppm	ASTM D5185(m)		<1		
Sodium ppm ASTM D5185(m) <1	CONTAMINANTS	6	method	limit/base	current	history1	history2
Sodium ppm ASTM D5185(m) <1	Silicon	ppm	ASTM D5185(m)		0		
	Sodium		ASTM D5185(m)				
				>20	<1		



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	VLITE		
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			-11 	2	no image	no image
Color					no image	no image no image



CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Unique Number : 5763158

Sample No. : E30001876 **Lab Number** : 02630026

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received Tested

: 18 Apr 2024 : 18 Apr 2024 : 23 Apr 2024 - Tatiana Sorkina Diagnosed

Test Package : TEST (Additional Tests: ICP) 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.

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