

### **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL

# ROADTECH 2500E 2611300

Rear Right Final Drive Fluid GEAR OIL ISO 220 (--- GAL)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0072976		
Sample Date		Client Info		08 Feb 2024		
Machine Age	hrs	Client Info		6533		
Oil Age	hrs	Client Info		500		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	20		
Chromium	ppm	ASTM D5185(m)	>10	<1		
Nickel	ppm	ASTM D5185(m)	>10	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>25	<1		
Lead	ppm	ASTM D5185(m)	>25	<1		
Copper	ppm	ASTM D5185(m)	>50	6		
Tin	ppm	ASTM D5185(m)	>10	0		
Antimony	ppm	ASTM D5185(m)	>5	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)	50	234		
Barium	ppm	ASTM D5185(m)	15	0		
Molybdenum	ppm	ASTM D5185(m)	15	0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	50	<1		
Calcium	ppm	ASTM D5185(m)	50	3		
Phosphorus	ppm	ASTM D5185(m)	350	955		
Zinc	ppm	ASTM D5185(m)	100	6		
Sulfur	ppm	ASTM D5185(m)	12500	19680		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	8		
Sodium	ppm	ASTM D5185(m)		3		
Potassium	ppm	ASTM D5185(m)	>20	<1		



Abnormal 22

24

20 cSt (100-C) E Abnorma

> 14 12 Feb 8/24

280

260 240 220 -200 -200 -200 -200 -200 -200 -B

> 1200 1000

Viscosity @ 100°C

Viscosity @ 40°C

Abnormal

Abno 160 140 120 Feb 8/24

Additives

nhosnhorus

## **OIL ANALYSIS REPORT**

	VISUAL		method	limit/base	current	history1	history2	
	White Metal	scalar	Visual*	NONE	NONE			
	Yellow Metal	scalar	Visual*	NONE	VLITE			
	Precipitate	scalar	Visual*	NONE	NONE			
	Silt	scalar	Visual*	NONE	NONE			
	Debris	scalar	Visual*	NONE	VLITE			
	Sand/Dirt	scalar	Visual*	NONE	NONE			
Feb8/24	Appearance	scalar	Visual*	NORML	NORML			
Ler Ler	Odor	scalar	Visual*	NORML	NORML			
	Emulsified Water	scalar	Visual*	>0.2	NEG			
	Free Water	scalar	Visual*		NEG			
	FLUID PROPE	RTIES	method	limit/base	current	history1	history2	
	Visc @ 40°C	cSt	ASTM D7279(m)	220	139			
	Visc @ 100°C	cSt	ASTM D7279(m)	19.0	14.8			
	Viscosity Index (VI)	Scale	ASTM D7273(III) ASTM D2270*	96	14.0			
Feb8/24 -	SAMPLE IMAG	iES	method	limit/base	current	history1	history2	
Feb								
	Color					no image	no image	
	D				6 -3			
	Bottom				Mar /	no image	no image	
	GRAPHS							
ç	Iron (ppm)				Lead (ppm)			
L-H B	§ 1000			<u>5</u> 10				
	Abnormal				Abnormal			
	- Feb8/24 -			Feb8/24	eb8/24			
	LL.			LL.	ic.			
	Aluminum (ppm)				Chromium (ppm)			
	200 Severe							
	Abnormal			<u><u> </u></u>	Abnormal			
	22			8/24	0 L			
	Feb			Feb	Feb			
	Copper (ppm)				Silicon (ppm)			
	200 Severe			40	Sama			
	Abnormal			<u> </u>	0 - O Abnormal			
	0			8/24				
	Feb8/			Fels	Feb8/			
	Viscosity @ 40°C				Additives			
	300 ₽ ₽ 200 + Abnormal Pase			200	calcium			
				<u>통</u> 100	0 - managanaganagan phosphorus			
	100			8/24	25			
	Feb8/			Feb8/24	Feb8/			
CALA Laboratory Sample No.	: WearCheck - C8-1175 : PC0072976			-	L 5H9 HURON	CONSTRUCTIO		
CALA Laboratory Sample No. Lab Number	: PC0072976	5 Appleby Recei	ived : 09	gton, ON L7 9 Feb 2024 2 Feb 2024	L 5H9 HURON		N CO. LIMIT BOX 6 CHATHAM, (	

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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.

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