

EF17-2

Client: 9999300

Acre Prime Inc
234234 Wrangler Rd

Rocky View County, Alberta T1X 0P5

ATTN: TAVIS RUSNAK/WILL R.

Unit #: ST-19
Unit Location:
Component: ENGINE
Location:
Serial #: J072936
Make:
Model:
OAS #:

AGAT Laboratories



Equipment Reliability and Lubricants Testing Services

3650 21st Street N.E., Calgary, AB, T2E6V6

Phone:(403)299-2000 Fax:(403)299-2105



Date analyzed: 08/26/24

Work order: 24C198254

Oil brand & grade: CHEVRON DELO 10W30 (2021)

Client Ref #:

LEGEND - **LC** - Lower Critical **LR** - Lower Reportable **UR** - Upper Reportable **UC** - Upper Critical * *Ital* - Custom Limit

UNIT DATA					SPECTROGRAPHIC ANALYSIS (PPM)																		
Sample#	Date Sampled	Component Service	Oil Service	Oil Changed	Al Aluminum	Cr Chromium	Cu Copper	Fe Iron	Sn Tin	Pb Lead	Si Silicon	Mo Molybdenum	Ni Nickel	Ag Silver	K Potassium	Na Sodium	B Boron	Ba Barium	Ca Calcium	Mg Magnesium	Mn Manganese	P Phosphorus	Zn Zinc
New Oil					0	0	0	0	0	0	4	10	0	0	3	6	118	0	1613	734	0	834	1009
341344	08/14/24		250 hrs	Y	0	0	1	5	0	0	3	21	0	0	3	4	49 LR	0	1200	816	0	852	967
341349	05/21/24		225 hrs	Y	1	1	1	6	0	1	4	8	0	0	8	6	83	0	1410	770	0	811	874
327008	12/13/23		250 hrs	Y	1	1	2	12	0	1	4	10	0	0	4	7	49 LR	0	1380	747	0	743	916
272006	11/14/19			N	1	0	0	2	0	0	5	6	0	0	2	3	92	0	1390	736	0	763	910

The highlighted LC for Boron is not of a major concern because it is an anti-wear additive and while it is depleted it has not resulted in significant wear metal levels in the samples.

PHYSICAL PROPERTIES									ISO CLEANLINESS					OIL DEGRADATION									
Sample#	Glycol	H2O	% Fuel	Viscosity		% Solids	KF	°C	4	Micron size			ISO Code	% SOOT	OXD	NOX	abs/cm-1		ZDDP	TAN	TBN	Min. RPVOT	
				40°C	100°C			Flash Point		6	14	COX					SO4						
New Oil				80.0	11.9														2.51	7.8			
341344	N	N		68.4	10.3								0.0	9	8	8	5	0		8.6			
341349	N	N		68.9	10.4								0.0	5	6	6	6	0		7.4			
327008	N	N		70.4	10.6								0.1	10	8	8	8	0		7.0			
272006	N	P		78.0	11.6	0.16%							0.0	0	0	13	0	0		8.2			

WEAR CONTROL CHART							COMMENTS
Sample#	0	30	60	90	120	150	Comments:
341344	6						REFER TO REVERSE FOR QUALITY CONTROL REPORT, EXPLANATION OF VARIANCE AND POSSIBLE CAUSES. Should you wish to provide feedback to AGAT Laboratories, please access our Customer review form at www.agatlabs.com/review.htm . This input is extremely important to us because your well being and satisfaction is our number one priority.
341349	10						
327008	17						
272006	3						

Client: 9999300

Acre Prime Inc
234234 Wrangler Rd

Rocky View County, Alberta T1X 0P5

ATTN: TAVIS RUSNAK/WILL R.

Unit #: ST-19

Unit Location:

Component: TRANSMISSION

Location:

Serial #: J072936

Make: INTERNATIONAL

Model: 7500

OAS #:

AGAT Laboratories

Equipment Reliability and Lubricants Testing Services

3650 21st Street N.E., Calgary, AB, T2E6V6

Phone:(403)299-2000 Fax:(403)299-2105



Date analyzed: 08/26/24

Work order: 24C198254

Oil brand & grade: ALLISON TRANSYND RD

Client Ref #:

LEGEND - **LC** -Lower Critical **LR** -Lower Reportable **UR** -Upper Reportable **UC** -Upper Critical *Ital* -Custom Limit

UNIT DATA					SPECTROGRAPHIC ANALYSIS (PPM)																			
Sample#	Date Sampled	Component Service	Oil Service	Oil Changed	Al Aluminum	Cr Chromium	Cu Copper	Fe Iron	Sn Tin	Pb Lead	Si Silicon	Mo Molybdenum	Ni Nickel	Ag Silver	K Potassium	Na Sodium	B Boron	Ba Barium	Ca Calcium	Mg Magnesium	Mn Manganese	P Phosphorus	Zn Zinc	
New Oil					0	0	0	0	0	0	0	0	0	0	0	0	130	0	30	0	0	270	0	
341342	08/14/24	110307 kms	50000 kms	N	3	0	6	25	0	1	5	0	0	0	2	2	83	0	49	4	0	210	12	
341352	05/21/24	103744 kms		N	3	0	4	23	1	1	5	1	0	0	1	1	98 LR	0	47	3	0	206	18	
327007	12/13/23	kms		N	10	0	11	67	1	2	7	0	0	0	1	2	93 LR	0	89 UR	1	1	223	21	
349613	08/10/23	87586 kms		N	10	0	12	70	0	3	7	0	0	0	2	2	89 LR	0	53	0	0	200	0	

PHYSICAL PROPERTIES								ISO CLEANLINESS				OIL DEGRADATION									
Sample#	Glycol	H2O	% Fuel	Viscosity 40°C	Viscosity 100°C	% Solids	KF	°C Flash Point	Micron size				abs/cm-1				TAN				Min. RPVOT
									4	6	14	ISO Code	% SOOT	OXD	NOX	COX	SO4	ZDDP	TAN	TBN	
New Oil				37.0	7.5																
341342	N	N		33.1 LR	7.0														1.25		
341352	N	N		33.7 LR	7.1														1.02		
327007	N	N		30.1 LC	6.2 LC														1.80		
349613	N	N		30.1 LC	6.2 LC														1.28		

WEAR CONTROL CHART							COMMENTS														
Sample#	0	30	60	90	120	150	Comments:														
341342							REFER TO REVERSE FOR QUALITY CONTROL REPORT, EXPLANATION OF VARIANCE AND POSSIBLE CAUSES.														
341352																					
327007																					
349613																					

34134235

34135233

32700791

34961395

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