



This document contains two used oil analysis reports from a 2014 International with a Cummins ISX 15 with approximately 323K miles. Prior to using Xp3, the main bearing was replaced, which explains the elevated wear metals still present in the analysis reports. The used oil analysis report shown on this page was taken from oil prior to using Xp3 and the soot reading was documented as "fairly high" at 0.7%.

BLACKSTONE LABORATORIES		OIL REPORT	LAB NUMBER: H52578	UNIT ID: U3140	
			REPORT DATE: 5/23/2016	CLIENT ID: 95821	
			CODE: 141/714	PAYMENT: Sub Account/Credit Ca	
UNIT	MAKE/MODEL: Cummins ISX 15	OIL TYPE & GRADE: Synthetic 10W/30			
	FUEL TYPE: Diesel	OIL USE INTERVAL: 29,445 Miles			
	ADDITIONAL INFO: 2014 International, Prostar Eagle				
CLIENT	MARK: [REDACTED]	PHONE: [REDACTED]			
	[REDACTED]	FAX: [REDACTED]			
		ALT PHONE: [REDACTED]			
		EMAIL: [REDACTED]			
COMMENTS	MARK/TOM: A lot of metals showed up in this sample, enough to suspect a problem is developing in this Cummins. Lead shows bearing wear at it's obviously excessive at 252 ppm. Universal averages show typical wear from this type of Cummins after ~13,700 miles on the oil. This oil was run longer, but that wouldn't explain all of this excess metal. Chrome (rings), iron (steel parts) and copper (brass/bronze wear) also read high. Soot was fairly high as well at 0.7%. Silicon was excessive, so check the air filter, watch oil pressure and check back in just 5,000 miles.				
ELEMENTS IN PARTS PER MILLION	M/HR on Oil	29,445	UNIT / LOCATION AVERAGES		UNIVERSAL AVERAGES
	M/HR on Unit	323,835			
	Sample Date	4/28/2016			
	Make Up Oil Added	2 gal			
	ALUMINUM	4	4		4
	CHROMIUM	5	5		1
	IRON	77	77		15
	COPPER	13	13		2
	LEAD	252	252		2
	TIN	3	3		1
	MOLYBDENUM	12	12		41
	NICKEL	1	1		0
	MANGANESE	2	2		0
	SILVER	0	0		0
	TITANIUM	8	8		4
	POTASSIUM	6	6		13
	BORON	5	5		78
	SILICON	22	22		7
	SODIUM	11	11		6
	CALCIUM	3317	3317		1826
MAGNESIUM	275	275		497	
PHOSPHORUS	1392	1392		1080	
ZINC	1721	1721		1276	
BARIUM	0	0		0	

Any product testimonials included in GDI materials are not necessarily representative of those who will use Xp3 products. These claims have not been scientifically proven, but this data represents the real-life results of the actual customer.

Individual results may vary.

